125K SDK User Guid

Verison：　V1.1.0

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Approver：

Version	Date	Author	Remark
V1.0.0	201901115	Eastson	Android 9.0
V1.1.0	201901120	Eastson	Add callback mode

1. Preface

This document serves as the instruction document of 125k SDK interface and is provided for APK developers to use. This document is organized and released by the R & D department and cannot be spread without authorization. This document corresponds to the SDK version and will be updated accordingly with the SDK version update. Ask APK developers to pay attention to the version number correspondence between the SDK and the guidance document.

2. Corresponding interface description

The application gets the ScansManager object first

```
public static final String SCANS_SERVICE = "scans";

private ScansManager mScansManager = null;

mScansManager = (ScansManager)mContext.getSystemService(SCANS_SERVICE);
```

The default system setting is

1. 125k scan will not be turned on by default when power on
2. Set vibration alarm, sound alarm and LED alarm
3. Report mode is keyboard mode
4. No added string
5. The card number length is 10
6. Card number reporting method is string

The interface of ScansManager is as follows

2.1 set125kStatus

Interface specification：

Open 125k module

Interface prototype：

public void set125kStatus(boolean enable)

Parameter description：

boolean enable

Set true to power on the module and false to power off the module

Return value description：

none

2.2 get125kStatus

Interface specification：

Get the power on status of the module

Interface prototype：

public boolean get125kStatus()

Parameter description：

none

Return value description：

Return true to indicate that the current module is powered on, and return false to indicate that the current module is powered off

2.3 get125kCompletedcard

Interface specification：

Get card number to complete

Interface prototype：

public boolean get125kCompletedcard()

Parameter description：

none

Return value description：

Return true to indicate card number completion, and return 0 to indicate no card number completion

2.4 set125kCompletedcard ()

Interface specification：

Set card number to complete

Interface prototype：

public void set125kCompletedcard(boolean mCompletedcard)

Parameter description：

boolean mCompletedcard

true to indicate card number completion, and return 0 to indicate no card number completion

Return value description：

none

2.5 get125kExtras

Interface specification：

Get current data attachment content

Interface prototype：

public int get125kExtras ()

Parameter description：

none

Return value description：

0 none
1 Enter
2 TAB

2.6 set125kExtras

Interface specification：

Set current data attachment content

Interface prototype：

public void set125kExtras(int Extras)

Parameter description：

int extra

0 none

1 Enter

2 TAB

Return value description：

none

2.7 get125kOutputmode

Interface specification：

get current output mode

Interface prototype：

public int get125kOutputmode()

Parameter description：

none

Return value description：

0 Keypad mode

1 Broadcast mode

2 Callback mode

If it is set to broadcast mode,
please receive android.scanservice.action.UPLOAD_125KCODE_DATA. The data is in the barcode carried by the broadcast

Eg：

IntentFilter filter = new IntentFilter();
filter.addAction("android.scanservice.action.UPLOAD_125KCODE_DATA");

MyReceiver broadcastReceiver = new MyReceiver();
registerReceiver(broadcastReceiver, filter);
…
intent.getStringExtra("barcode")

2.8 set125kOutputmode

Interface specification：

Set current output mode

Interface prototype：

public void set125kOutputmode(int mode)

Parameter description：

0 Keypad mode
1 Broacast mode
2 Callback mode

Return value description：

none

If it is set to broadcast mode,
please receive android.scanservice.action.UPLOAD_125KCODE_DATA. The data is in the barcode carried by the broadcast
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filter.addAction("android.scanservice.action.UPLOAD_125KCODE_DATA");
MyReceiver broadcastReceiver = new MyReceiver();
registerReceiver(broadcastReceiver, filter);
…
intent.getStringExtra("barcode")

2.9 get125kOutputmodule

Interface specification：

get the current card number output mode

Interface prototype：

public int get125kOutputmodule()

Parameter description：

none

Return value description：

0 String mode
1 bytearray mode

2.10 set125kOutputmodule

Interface specification：

Set the current card number output mode

Interface prototype：

public void set125kOutputmodule(int module)

Parameter description：

0 String mode
1 bytearray mode

Return value description：

none

2.11 get125kcardLength

Interface specification：

Get the card number length for setting alignment

Interface prototype：

public int get125kcardLength()

Parameter description：

Return value description：

Set card number length

2.12 set125kcardLength

Interface specification：

Set the card number length for setting alignment

Interface prototype：

public void set125kcardLength(int length)

Parameter description：

Card number length

Return value description：

none

2.13 Callback mode

SDK provides callback mode, that is, when receiving the swipe information, the application will be notified by callback. The callback is implemented as follows：

```
class MainActivity extends Activity implements ScansManager.W125KCallBack
```

And settting

```
mScansManager.set125kOnCompeleteListenner(this);
```

And implement the following two interfaces

```
@Override
public void on125KStringCodedataCompelete(String codedata){
    //do something
}
@Override
public void on125kArrayCodedataCompelete(byte[] codedata){
    //do something
}
```

When the card number output mode is set to string,

the on125kstringcodedatacomplete will be called to notify app when receiving data.

The codedata parameter is string card number information

When the card number output mode is set to array,

the on125kararycodedatacomplete will be called when receiving data, and the app will be notified. The codedata parameter is read serial card number array. The last byte is XOR check value