

## CHANGES

V4.3.0	2016-09-28
<ul style="list-style-type: none"><li>• Added AIM-ID (Symbology type) field in BroadcastReceiver</li><li>• Added byte array field in BroadcastReceiver</li><li>• Removed unsupported functions setCharSetMode, enableShowNoticelcon, enableShowAPPIcon</li></ul>	
v4.2.0	2016-08-08
<ul style="list-style-type: none"><li>• First release of the Nautiz X2 Scanner Interface document</li></ul>	

## NAUTIZ X2 SCANNER INTERFACE API

### Scan Interface

Control the scan interface with ScannerInterface class. com.android.ScannerInterface function as below.

#### **void ShowUI()**

Description: to open the setting interface

Input parameter: none

#### **void open()**

Description: power on for scan engine. it is the must to set power on and then invoke the scan

Input parameter: none

#### **void close()**

Description: power off for scan engine. In contrast with the open()

Input parameter: none

#### **void scan\_start()**

Description: start scan operation, with this operation the scan engine will light

Input parameter: none

#### **void scan\_stop()**

Description: stop scan operation, with this operation the scan engine will off

Input parameter: none

#### **void lockScanKey()**

Description: lock the scan key, to lock the scan key with iScan as scan function.

Input parameter: none

#### **void unlockScanKey()**

Description: unlock the scan key, could release the scan key from iScan. Users could set the key value as customize key.

Input parameter: none

#### **void setCharSetMode(int mode)**

Description: set barcode decoding mode of scan engine

Input parameter:

Mode 0: ASCII	set encode type as ASCII
Mode 1: GB2312	set encode type as GB2312
mode 2: GBK	set encode type as GBK
mode 3: GB18030	set encode type as GB18030
mode 4: UTF-8	set encode type as UTF-8

#### **void setOutputMode(int mode)**

Description: scan result output mode

Input parameter:

- Mode 0: scan result send to the place appointed
- Mode 1: scan result send as broadcast

#### Remarks:

The app needs to register a broadcast receiver for action "android.intent.action.SCANRESULT", in onReceive(Context context, Intent arg1) function get barcode content, barcode length with the code below:

```
String barcode = arg1.getStringExtra("value");
int barocodelen = arg1.getIntExtra("length",0);
String type = arg1.getStringExtra("type");
byte[] data = arg1.getByteArrayExtra("bytedata");
```

#### **void enablePlayBeep(boolean enable)**

Description: on/off beep after scan success

Input parameter:

- enable true : play beep after scan success
- enable false : not play beep after scan success

**void enableFailurePlayBeep(boolean enable)**

Description: on/off beep after scan fail

Input parameter:

enable true : play beep after scan fail  
enable false : not play beep after scan fail

**void enablePlayVibrate(boolean enable)**

Description: on/off vibration after scan success

Input parameter:

enable true : on vibration after scan success  
enable false : off vibration after scan success

**void enablePower(boolean enable)**

Description: on/off power save mode

Input parameter:

enable true: cannot scan after screen lock  
enable false : can scan after screen lock

**void enableAddKeyValue(int value)**

Description: addition mode, add additional ENTER, TAB, NONE or NEWLINE key etc.

Input parameter:

value 0: add NONE  
value 1: add ENTER  
value 2: add TAB key  
value 3: add NEWLINE key

**void addPrefix(String text)**

Description: add additional prefix before scan result

Input parameter:

text: the test you hope to add as prefix before scan result

**void addSuffix(String text)**

Description: add additional suffix after scan result

Input parameter:

text: the test you hope to add as suffix after scan result

**void interceptTrimleft(int num)**

Description: delete leading digits of scan result

Input parameter:

num: the digit number you hope to delete

**void interceptTrimright(int num)**

Description: delete after digits of scan result

Input parameter:

num: the digit number you hope to delete

Return value: null

**void lightSet(boolean enable)**

Description: right LED control

Input parameter:

enable ture: turn LED on  
enable false: turn LED off

**void timeOutSet(int value)**

Description: set timeout

Input parameter:

value: timeout period

**void filterCharacter(String text)**

Description: filt appointed character

Input parameter:

text: appointed character

**void continuousScan(boolean enable)**

Description: set continuous scan

Input parameter:

enable true: enable continuous scan

enable false: disable continuous scan

**void intervalSet(int value)**

Description: continuous interval scan

Input parameter:

value: set time length

**void setErrorBroadCast(boolean enable)**

Description: on/off scan fail info broadcast

Input parameter:

enable true: send broadcast on fail

enable false: don't send broadcast on fail (default)

**void resultScan()**

Description: iScan set default

Input parameter: none

**void scanKeySet(int keycode,int value)**

Description: customize key set

Input parameter:

Keycode: key value (e.g. 139, 140, 141)

value: 0 = scan, 1 = do nothing