
Barcode Scanning SDK Interface Documentation

Android SDK Interface Overview

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1. API Interface Description

1.1 Scanner Interface

If your system has iScan version 4.2.1 or higher pre-installed, you can control the scanner via the ScannerInterface class. The com.android.ScannerInterface class offers the following methods:

1.1.1 void ShowUI()

Description:

Launches the scanner settings UI.

Parameters: None

Return: None

1.1.2 void open()

Description:

Powers on the scanner.

Important:

This method should NOT be called frequently. To conserve power, call it once when the app starts, or let iScan manage it automatically.

Frequent power cycling may cause the scanner engine to freeze.

Parameters: None

Return: None

1.1.3 void close()

Description:

Powers off the scanner (inverse of open()).

Important:

Same caution applies as open(). Best to call once when the app exits, or leave control to iScan.

Parameters: None

Return: None

1.1.4 void scan_start()

Description:

Initiates a scan; scanner light turns on.

Parameters: None

Return: None

1.1.5 void scan_stop()

Description:

Stops scanning; scanner light turns off.

Parameters: None

Return: None

1.1.6 void lockScanKey()

Description:

Locks the device's scan trigger key. iScan-defined scan keys can still trigger scans, but user apps may define their own keys.

Parameters: None

Return: None

1.1.7 void unlockScanKey()

Description:

Unlocks the scan key. Disables iScan-defined keys; custom keys in your app can trigger scanning.

Parameters: None

Return: None

1.1.8 void setOutputMode(int mode)

Description:

Sets the scanner output mode.

Parameters:

mode = 0: Output directly to the current focus (editable field)

mode = 1: Broadcast scan result via Intent

mode = 2: Output as simulated key input

Return: None

Note:

For broadcast mode, register a broadcast receiver for the action "android.intent.action.SCANRESULT" and retrieve scan results in onReceive(Context context, Intent intent):

```
String barcode = intent.getStringExtra("value");
```

```
int length = intent.getIntExtra("length", 0);
```

1.1.9 void enablePlayBeep(boolean enable)

Description:

Plays a beep sound after successful scan.

Parameters:

- true: Enable beep

- false: Disable beep

Return: None

1.1.10 void enableFailurePlayBeep(boolean enable)

Description:

Plays a beep after a failed scan.

Parameters:

- true: Enable beep
- false: Disable beep

Return: None

1.1.11 void enablePlayVibrate(boolean enable)

Description:

Enables vibration feedback after a successful scan.

Parameters:

- true: Enable vibration
- false: Disable vibration

Return: None

1.1.12 void enableAddKeyValue(int value)

Description:

Appends special keys after scan data.

Parameters:

- 0: None
- 1: Enter key
- 2: Tab key
- 3: Newline character

Return: None

1.1.13 void addPrefix(String text)

Description:

Adds a prefix to scan result.

Parameters:

text: Prefix string

Return: None

1.1.14 void addSuffix(String text)

Description:

Adds a suffix to scan result.

Parameters:

text: Suffix string

Return: None

1.1.15 void interceptTrimleft(int num)

Description:

Removes specified number of characters from the start of scan result.

Parameters:

num: Number of characters to trim

Return: None

1.1.16 void interceptTrimright(int num)

Description:

Removes specified number of characters from the end of scan result.

Parameters:

num: Number of characters to trim

Return: None

1.1.17 void lightSet(boolean enable)

Description:

Controls the right-side LED light.

Parameters:

- true: LED on
- false: LED off

Return: None

1.1.18 void timeOutSet(int value)

Description:

Sets scan timeout duration.

Parameters:

value: Timeout duration (ms)

Return: None

1.1.19 void filterCharacter(String text)

Description:

Filters specific characters from scan result.

Parameters:

text: Characters to filter

Return: None

1.1.20 void continceScan(boolean enable)

Description:

Enables or disables continuous scanning mode.

Parameters:

- true: Enable continuous scan
- false: Disable continuous scan

Return: None

1.1.21 void intervalSet(int value)

Description:

Sets interval between continuous scans.

Parameters:

value: Interval time (ms)

Return: None

1.1.22 void SetErrorBroadCast(boolean enable)

Description:

Sends broadcast message on scan failure.

Parameters:

- true: Enable broadcast
- false: Disable broadcast (default)

Return: None

1.1.23 void resultScan()

Description:

Restores scanner to iScan default settings.

Important:

Should not be called frequently. Let iScan manage settings automatically. Frequent resets may cause scanner engine issues.

Parameters: None
Return: None
