

NAUTIZ X9 BARCODE SDK FOR ANDROID

handheld

BARCODE SERVICE

Basic function:

Enable / Disable Barcode engine

Enable: Parameter # com.barcodeservice.on

Disable: Parameter # com.barcodeservice.off

Description:

Enable / Disable Barcode engine.

Enable / Disable Beep sound

Enable: Parameter # com.barcodeservice.settings.beepsound.on

Disable: Parameter # com.barcodeservice.settings.beepsound.off

Description:

Enable / Disable Beep sound after engine decode success.

Enable / Disable Virtual button

Enable: Parameter # com.barcodeservice.settings.virtualbutton.on

Disable: Parameter # com.barcodeservice.settings.virtualbutton.off

Description:

Enable / Disable Virtual button to trigger the scan engine.

Enable / Disable Consecutive scan

Enable: Parameter # com.barcodeservice.continue.scan.on

Disable: Parameter # com.barcodeservice.continue.scan.off

Description:

Enable / Disable Consecutive scan.

Scansession timeout setting

Parameter # com.barcodeservice.settings.timeout

Extra parameter # "TIMEOUT"

Description:

Set the maximum time (ms) decode processing continues during a scan attempt. The available values are in 0.1 second increments from 500 ms to 9900 ms.

For example, to set a decode session timeout of 5.5 seconds, set this parameter to a value of 5500.

Output method setting

Parameter # `com.barcodeservice.settings.output.type`

Extra parameter # "OUTPUT_TYPE"

- 0 - Key board Event.
- 1 - Broadcast.
- 2 - IP TCP.
- 3 - IP UDP.
- 4 - Clipboards.

Description:

Set the output method after decoded finish.

For Broadcast Barcode Data

```
if (action.equals("com.barcodeservice.broadcast.string"))  
{  
    Bundle bundle = intent.getExtras();  
    String barcodedata = bundle.getString("barcodedata");  
    int symbology = bundle.getInt("symbology"); //Refer to Table: barcode type identifiers.  
}
```

Table: Barcode Type Identifiers (Only for Zebra SE47xx series)

| Type ID | Bar Code Type |
|---------|----------------------------|
| 1 | Code 39 |
| 2 | Codabar |
| 3 | Code 128 |
| 4 | Discrete (Standard) 2 of 5 |
| 5 | IATA |
| 6 | Interleaved 2 of 5 |
| 7 | Code 93 |
| 8 | UPC-A |
| 9 | UPC-E0 |
| 10 | EAN-8 |
| 11 | EAN-13 |
| 12 | Code 11 |
| 13 | Code 49 |
| 14 | MSI |
| 15 | EAN-128 |

| | |
|----|----------------------|
| 16 | UPC-E1 |
| 17 | PDF-417 |
| 18 | Code 16K |
| 19 | Code 39 Full ASCII |
| 20 | UPC-D |
| 21 | Code 39 Trioptic |
| 22 | Bookland |
| 23 | Coupon Code |
| 24 | NW-7 |
| 25 | ISBT-128 |
| 26 | Micro PDF |
| 27 | DataMatrix |
| 28 | QR Code |
| 29 | Micro PDF CCA |
| 30 | PostNet US |
| 31 | Planet Code |
| 32 | Code 32 |
| 33 | ISBT-128 Con |
| 34 | Japan Postal |
| 35 | Australian Postal |
| 36 | Dutch Postal |
| 37 | MaxiCode |
| 38 | Canadian Postal |
| 39 | UK Postal |
| 40 | Macro PDF |
| 41 | Macro QR |
| 44 | Micro QR |
| 45 | Aztec |
| 46 | Aztec Rune |
| 48 | GS1 DataBar-14 |
| 49 | GS1 DataBar Limited |
| 50 | GS1 DataBar Expanded |
| 52 | USPS 4CB |
| 53 | UPU 4State |
| 54 | ISSN |
| 55 | Scanlet |
| 56 | CueCode |

| | |
|-----|--------------------------|
| 57 | Matrix 2 of 5 |
| 72 | UPC-A + 2 Supplemental |
| 73 | UPC-E0 + 2 Supplemental |
| 74 | EAN-8 + 2 Supplemental |
| 75 | EAN-13 + 2 Supplemental |
| 80 | UPC-E1 + 2 Supplemental |
| 81 | CCA EAN-128 |
| 82 | CCA EAN-13 |
| 83 | CCA EAN-8 |
| 84 | CCA GS1 DataBar Expanded |
| 85 | CCA GS1 DataBar Limited |
| 86 | CCA GS1 DataBar-14 |
| 87 | CCA UPC-A |
| 88 | CCA UPC-E |
| 89 | CCC EAN-128 |
| 90 | TLC-39 |
| 97 | CCB EAN-128 |
| 98 | CCB EAN-13 |
| 99 | CCB EAN-8 |
| 100 | CCB GS1 DataBar Expanded |
| 101 | CCB GS1 DataBar Limited |
| 102 | CCB GS1 DataBar-14 |
| 103 | CCB UPC-A |
| 104 | CCB UPC-E |
| 105 | Signature Capture |
| 114 | Chinese 2 of 5 |
| 115 | Korean 3 of 5 |
| 136 | UPC-A + 5 supplemental |
| 137 | UPC-E0 + 5 supplemental |
| 138 | EAN-8 + 5 supplemental |
| 139 | EAN-13 + 5 supplemental |
| 144 | UPC-E1 + 5 Supplemental |
| 154 | Macro Micro PDF |
| 180 | GS1 Databar Coupon |
| 183 | Han Xin |

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Network broadcast setting

Parameter # com.barcodeservice.network.port

Extra parameter # "NET_PORT"

Parameter # com.barcodeservice.network.address

Extra parameter # "NET_ADDR"

Description:

If choice the TCP or UDP output method, which need to assigned an IP address, and port to connect your back end server or device

Post action setting

Parameter # com.barcodeservice.settings.post.action.type

Extra parameter # "POST_ACTION"

- 0 - None
- 1 - Enter
- 2 - Tab

Description:

Set the post action after decoded finish.

Prefix / Suffix setting

Parameter # com.barcodeservice.settings.post.prefix

Extra parameter # "PREFIX"

Parameter # com.barcodeservice.settings.post.suffix

Extra parameter # "SUFFIX"

Description:

Set the prefix or suffix string append the barcode raw data.

Enable / Disable Illumination

Parameter # com.barcodeservice.settings.decode_led.on

Parameter # com.barcodeservice.settings.decode_led.off

Description:

Enable / Disable Barcode engine LED.

Enable / Disable Aim pattern

Parameter # com.barcodeservice.settings.decode_aiming.on

Parameter # com.barcodeservice.settings.decode_aiming.off

Description:

Enable / Disable Barcode aim pattern.

Enable / Disable Long press trigger

Parameter # com.barcodeservice.longpresstrigger.on

Parameter # com.barcodeservice.longpresstrigger.off

Description:

Enable / Disable Long press button to trigger barcode engine.

Enable / Disable Vibration

Parameter # com.barcodeservice.vibrate.on

Parameter # com.barcodeservice.vibrate.off

Description:

Enable / Disable Vibration after engine decode success.

Enable / Disable Skip same barcode

Parameter # com.barcodeservice.skipsamebarcode.on

Parameter # com.barcodeservice.skipsamebarcode.off

Description:

Enable / Disable Barcode filter function, which can avoid scan to same barcode.

Clipboards for output method setting

Please refer to item “Output method setting”.

Interval time for continuous scan

Parameter # `com.barcodeservice.consecutive.interval`

Extra parameter # `"CONSECUTIVE_INTERVAL"`

- 0 - No delay.
- 1 - 150ms.
- 2 - 300ms.
- 3 - 500ms.
- 4 - 1000ms.
- 5 - 2000ms.

Description:

Set continuous scan interval time.

UTF8/GB18030/BIG5/SJIS/ISO-8859-1 for output string

Parameter # `com.barcodeservice.encode.type`

Extra parameter # `"CHAR_ENCODE_TYEP"`

- 0 - UTF-8.
- 1 - GB18030.
- 2 - BIG5.
- 3 - SJIS.
- 4 - ISO-8859-1.

Description:

Set encode output string.

Enable / Disable Quiet zone level

Parameter # `com.barcodeservice.quiet.zone.level`

Extra parameter # `"QUIET_ZONE_LEVEL"`

- 0 - Level 0.
- 1 - Level 1.
- 2 - Level 2.
- 3 - Level 3.

Description:

Enable / Disable Quiet zone level

Enable / Disable LCD mode for phone and LCD

Parameter # com.barcodeservice.settings.display_mode.on

Parameter # com.barcodeservice.settings.display_mode.off

Description:

Enable / Disable LCD mode for phone and LCD

Set LED Level

Parameter # com.barcodeservice.decode.led.level

Extra parameter # "LED_LEVEL"

- 0 - Level 2.
- 1 - Level 4.
- 2 - Level 6.
- 3 - Level 8.
- 4 - Level 10.

Description:

Set Decode LED Level

Set Decode Security Level

Parameter # com.barcodeservice.security.level

Extra parameter # "SEC_LEVEL"

- 0 - Level 0.
- 1 - Level 1.
- 2 - Level 2.
- 3 - Level 3.

Description:

Set Decode Security Level

Restore default settings

Parameter # com.device.settings.restoredefaultsettings

Description:

Restore default settings

Start / Stop Barcode Scan

Start: Parameter # com.barcodeservice.start.scan

Stop: Parameter # com.barcodeservice.stop.scan

Description:

Start / Stop Barcode Scan.

Enable / Disable Picklist Mode

Start: Parameter # com.barcodeservice.picklist.mode.on

Stop: Parameter # com.barcodeservice.picklist.mode.off

Description:

Picklist mode enables the decoder to decode only bar codes aligned under the center of the laser aiming pattern.

Enable / Disable Picklist Mode

Start: Parameter # com.barcodeservice.settings.upca_to_ean13.on

Stop: Parameter # com.barcodeservice.settings.upca_to_ean13.off

Description:

Enable / Disable UPCA to EAN13

Supported symbol:

/** This API is not available anymore.

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Enable / Disable All Symbols

Parameter # com.barcodeservice.settings.allsymbol.on

Parameter # com.barcodeservice.settings.allsymbol.off

Description:

Enable / Disable the decoding of all bar code types.

**/

Enable / Disable UPC-A

Parameter # com.barcodeservice.settings.upcacode.on

Parameter # com.barcodeservice.settings.upcacode.off

Description:

Enable / Disable UPC-A code.

Enable / Disable UPC-E

Parameter # com.barcodeservice.settings.upcecode.on

Parameter # com.barcodeservice.settings.upcecode.off

Description:

Enable / Disable UPC-E code.

Enable / Disable UPC-E1

Parameter # com.barcodeservice.settings.upce1code.on

Parameter # com.barcodeservice.settings.upce1code.off

Description:

Enable / Disable UPC-E1 code.

Enable / Disable EAN8-JAN8

Parameter # com.barcodeservice.settings.eanjan8code.on

Parameter # com.barcodeservice.settings.eanjan8code.off

Description:

Enable / Disable EAN8-JAN8 code.

Enable / Disable EAN13-JAN13

Parameter # com.barcodeservice.settings.eanjan13code.on

Parameter # com.barcodeservice.settings.eanjan13code.off

Description:

Enable / Disable EAN13-JAN13 code.

Enable / Disable Code 128

Parameter # com.barcodeservice.settings.code128.on

Parameter # com.barcodeservice.settings.code128.off

Description:

Enable / Disable Code 128 code.

Enable / Disable GS1 128

Parameter # com.barcodeservice.settings.gs1_128.on

Parameter # com.barcodeservice.settings.gs1_128.off

Description:

Enable / Disable GS1 128 code.

Enable / Disable ISBT 128

Parameter # com.barcodeservice.settings.isbt128.on

Parameter # com.barcodeservice.settings.isbt128.off

Description:

Enable / Disable ISBT 128 code.

Enable / Disable Code 39

Parameter # com.barcodeservice.settings.code39.on

Parameter # com.barcodeservice.settings.code39.off

Description:

Enable / Disable Code 39 code.

Enable / Disable Code 11

Parameter # com.barcodeservice.settings.code11.on

Parameter # com.barcodeservice.settings.code11.off

Description:

Enable / Disable Code 11 code.

Enable / Disable Interleaved 2 of 5

Parameter # com.barcodeservice.settings.interleaved25.on

Parameter # com.barcodeservice.settings.interleaved25.off

Description:

Enable / Disable Interleaved 2 of 5 code.

Enable / Disable Discrete 2 of 5

Parameter # com.barcodeservice.settings.discrete25.on

Parameter # com.barcodeservice.settings.discrete25.off

Description:

Enable / Disable Discrete 2 of 5 code.

Enable / Disable Codabar

Parameter # com.barcodeservice.settings.codabar.on

Parameter # com.barcodeservice.settings.codabar.off

Description:

Enable / Disable Codabar code.

Enable / Disable Matrix 2 of 5

Parameter # com.barcodeservice.settings.matrix25.on

Parameter # com.barcodeservice.settings.matrix25.off

Description:

Enable / Disable Matrix 2 of 5 code.

Enable / Disable Matrix 2 of 5 Redundancy

Parameter # com.barcodeservice.settings.matrix25redun.on

Parameter # com.barcodeservice.settings.matrix25redun.off

Description:

Enable / Disable Matrix 2 of 5 Redundancy code.

Enable / Disable US Postnet

Parameter # com.barcodeservice.settings.postnetus1.on

Parameter # com.barcodeservice.settings.postnetus1.off

Description:

Enable / Disable US Postnet code.

Enable / Disable US Planet

Parameter # com.barcodeservice.settings.planet.on

Parameter # com.barcodeservice.settings.planet.off

Description:

Enable / Disable US Planet code.

Enable / Disable Bookland EAN

Parameter # com.barcodeservice.settings.booklandean.on

Parameter # com.barcodeservice.settings.booklandean.off

Description:

Enable / Disable Bookland EAN code.

Enable / Disable ISSN EAN

Parameter # com.barcodeservice.settings.issn_ean.on

Parameter # com.barcodeservice.settings.issn_ean.off

Description:

Enable / Disable ISSN EAN code.

Enable / Disable Code 39 Full ASCII Conversion

Parameter # com.barcodeservice.settings.code39_full_ascii.on

Parameter # com.barcodeservice.settings.code39_full_ascii.off

Description:

Enable / Disable Code 39 Full ASCII Conversion code.

Enable / Disable MSI

Parameter # com.barcodeservice.settings.msi.on

Parameter # com.barcodeservice.settings.msi.off

Description:

Enable / Disable MSI code.

Enable / Disable UK Postal

Parameter # com.barcodeservice.settings.uk_postal.on

Parameter # com.barcodeservice.settings.uk_postal.off

Description:

Enable / Disable UK Postal code.

Enable / Disable Japan Postal

Parameter # com.barcodeservice.settings.jp_postal.on

Parameter # com.barcodeservice.settings.jp_postal.off

Description:

Enable / Disable Japan Postal code.

Enable / Disable QR Code

Parameter # com.barcodeservice.settings.qrcode.on

Parameter # com.barcodeservice.settings.qrcode.off

Description:

Enable / Disable QR Code.

Enable / Disable PDF 417

Parameter # com.barcodeservice.settings.pdf417.on

Parameter # com.barcodeservice.settings.pdf417.off

Description:

Enable / Disable PDF 417 Code.

Enable / Disable Micro PDF 417

Parameter # com.barcodeservice.settings.micrompdf417.on

Parameter # com.barcodeservice.settings.micrompdf417.off

Description:

Enable / Disable Micro PDF 417 Code.

Enable / Disable Data Matrix

Parameter # com.barcodeservice.settings.datamatrix.on

Parameter # com.barcodeservice.settings.datamatrix.off

Description:

Enable / Disable Data Matrix Code.

Enable / Disable Aztec

Parameter # com.barcodeservice.settings.aztec.on

Parameter # com.barcodeservice.settings.aztec.off

Description:

Enable / Disable Aztec Code.

Enable / Disable Han Xin

Parameter # com.barcodeservice.settings.hanxin.on

Parameter # com.barcodeservice.settings.hanxin.off

Description:

Enable / Disable Han Xin Code.

Enable / Disable Micro QR

Parameter # com.barcodeservice.settings.microqr.on

Parameter # com.barcodeservice.settings.microqr.off

Description:

Enable / Disable Micro QR Code.

Enable / Disable Code 128 Emulation

Parameter # com.barcodeservice.settings.code128emulation.on

Parameter # com.barcodeservice.settings.code128emulation.off

Description:

Enable / Disable Code 128 Emulation Code.

Enable / Disable Composite CC-C

Parameter # com.barcodeservice.settings.compositeccc.on

Parameter # com.barcodeservice.settings.compositeccc.off

Description:

Enable / Disable Composite CC-C Code.

Enable / Disable Composite CC-AB

Parameter # com.barcodeservice.settings.compositeccab.on

Parameter # com.barcodeservice.settings.compositeccab.off

Description:

Enable / Disable Composite CC-AB Code.

Enable / Disable TLC 39

Parameter # com.barcodeservice.settings.tlc39.on

Parameter # com.barcodeservice.settings.tlc39.off

Description:

Enable / Disable TLC 39 Code.

Enable / Disable Code 93

Parameter # com.barcodeservice.settings.code93.on

Parameter # com.barcodeservice.settings.code93.off

Description:

Enable / Disable Code 93 Code.

Enable / Disable Maxicode

Parameter # com.barcodeservice.settings.Maxicode.on

Parameter # com.barcodeservice.settings.Maxicode.off

Description:

Enable / Disable Maxicode Code.

Enable / Disable Trioptic code 39

Parameter # com.barcodeservice.settings.triopticcode39.on

Parameter # com.barcodeservice.settings.triopticcode39.off

Description:

Enable / Disable Trioptic code 39 Code.

Enable / Disable EAN13 + 5 Supplemental

Parameter # com.barcodeservice.settings.ean13_supps.on

Parameter # com.barcodeservice.settings.ean13_supps.off

Description:

Enable / Disable EAN-13 + 5 Supplemental Code.

EXAMPLE FOR SDK

You can just following below sample broadcast to enable or disable function.

Example:

```
sendBroadcast(new Intent("Parameter"));
```

Set extra level or data

Example:

```
sendBroadcast(new Intent("Parameter").putExtra("Extra parameter", "Extra level or  
Extra data"));
```