**D1 SDK Instructions for Use**

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| **Version** | **date** | **Modified by** | **Modify point** |
| V 1.0 | 2022.07.28 | Liu.tong | init |
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## 1. Instructions for using the secondary screen SDK

## Get an instance of the SDK

**Example:**

SubLcdHelper.getInstance() ;

### Initialize SDK

**Example:**

SubLcdHelper.getInstance().init(getApplicationContext());

### display text

**Example ( 1 ):**

SubLcdHelper.getInstance().sendText(text, 24);

**Incoming parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| Data | Yes | string | printed characters |  |
| Size | Yes | int | font size |  |

### Show Bitmap image

**Example:**

SubLcdHelper.getInstance().sendBitmap( bitmap );

**Incoming parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| bitmap | Yes | Bitmap | The picture displayed on the secondary screen |  |

### Enable scan code

### Example:

SubLcdHelper.getInstance().sendScan();

**Incoming parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| void | no | void | Enable secondary screen scan code |  |

### Secondary screen backlight on

### Example:

SubLcdHelper.getInstance().sendBacklightOpen();

**Incoming parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| void | void | void | Turn on the secondary screen backlight |  |

### Secondary screen backlight off

**Example:**

SubLcdHelper.getInstance().sendBacklightClose() ;

**Incoming parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| void | void | void | Turn off the secondary screen backlight |  |

### Get firmware version number

**Example:**

SubLcdHelper.getInstance().getVersion();

**Return value :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter field name** | **required** | **type** | **illustrate** | **detailed** |
| version | Yes | String | get version number |  |

### Firmware upgrade

**Example:**

SubLcdHelper.getInstance().updateFirmware("anyka\_logo.rgb", name);

**Incoming parameters :**

|  |  |  |  |
| --- | --- | --- | --- |
| **parameter field name** | **type** | **illustrate** | **detailed** |
| infoName | String | The name of the firmware file | Put the name of the firmware file |
| fileName | String | Absolute path to firmware file | Absolute path to put into the firmware file |

### Show QR code

**Example:**

SubLcdHelper.getInstance().contentToConvertQRCode("123456");

**Incoming parameters :**

|  |  |  |  |
| --- | --- | --- | --- |
| **parameter field name** | **type** | **illustrate** | **detailed** |
| content | string | Pass in the content to be converted into a QR code | Pass in the content that needs to be displayed and convert it into a QR code to display on the secondary screen |

### add callback

**Example:**

SubLcdHelper.getInstance().setCallback(new OnSubCallback() {});

**Incoming parameters :**

|  |  |  |  |
| --- | --- | --- | --- |
| **parameter field name** | **type** | **illustrate** | **detailed** |
| callback | OnSubCallback | Add a callback to get the data returned by the system |  |

Attention: You will receive a callback every time you call the function to send an instruction . Pay attention to the content of the callback. The scan result and the obtained firmware version number will be returned by this callback