自定义系统接口文档

版本号：V3.1

版本及修改记录：

版本	描述	日期
V1.0	创建	2019-06-29
V2.0	接口实现	2020-07-27
V3.0	接口兼容	2021-08-12
V3.1	接口实现	2021-12-29

一、重启

action	参数
android.intent.action.reboot	无

示例:

1. Intent intent = **new** Intent();

2. intent.setAction("android.intent.action.reboot");

3. sendBroadcast(intent);

调用说明:

```
1.  Intent intent = new Intent(Intent.ACTION_REBOOT);

2.  intent.putExtra("nowait", 1);

3.  intent.putExtra("interval", 1);

4.  intent.putExtra("window", 0);

5.  sendBroadcast(intent);
```

二、关机

action	参数
android.intent.action.shutdown	无

示例:

```
1.  Intent intent = new Intent();

2.  intent.setAction("android.intent.action.shutdown");

3.  sendBroadcast(intent);
```

调用说明:

```
1.  try {

2.  Class<?> ServiceManager = Class.forName("android.os.ServiceManager");

3.  Method getService = ServiceManager.getMethod("getService", java.lang.String.class);

4.  Object oRemoteService = getService.invoke(null, Context.POWER_SERVICE);

5.  Class<?> cStub = Class.forName("android.os.IPowerManager$Stub");

6.  Method asInterface = cStub.getMethod("asInterface", android.os.IBinder.class);

7.  Object oIPowerManager = asInterface.invoke(null, oRemoteService);
```

```
8.  Method shutdown = olPowerManager.getClass().getMethod("shutdown", boolean.class, bo

    olean.class);
```

```
9.  shutdown.invoke(olPowerManager, false, true);
```

```
10. } catch (Exception e) {}
```

三、休眠（关闭屏幕背光)

action	参数
	无
android.intent.action.gotosleep	无

示例：

```
1.  Intent intent = new Intent();
```

```
2.  intent.setAction("android.intent.action.gotosleep");
```

```
3.  sendBroadcast(intent);
```

调用说明：

```
1.  <uses-permission android:name="android.permission.DEVICE_POWER" />
```

```
2.  PowerManager powerManager = (PowerManager) getSystemService(POWER_SERVICE);
```

```
3.  PowerManager.WakeLock wakeLock ;
```

```
4.  PowerManager pm=(PowerManager)getSystemService(Context.POWER_SERVICE);
```

```
5.  pm.goToSleep(SystemClock.uptimeMillis());
```

```
6.  wakeLocks.acquire();
```

```
7.  wakeLocks.release();
```

四、唤醒休眠 (打开屏幕背光)

action	参数
	参数
android.intent.action.exitsleep	无

示例 1：

1. Intent intent = **new** Intent();

2. intent.setAction("android.intent.action.exitsleep");

3. sendBroadcast(intent);

调用说明：

1. <uses-permission android:name="android.permission.WAKE_LOCK"/>

2. PowerManager powerManager = (PowerManager) getSystemService(POWER_SERVICE);

3. PowerManager.WakeLock wakeLock ;

4. PowerManager pm = (PowerManager)getSystemService(Context.POWER_SERVICE);

5. mWakeLock = pm.newWakeLock(PowerManager.SCREEN_BRIGHT_WAKE_LOCK | Power

   Manager.ACQUIRE_CAUSES_WAKEUP, "TEST");

6. mWakeLock.acquire();

7. wakeLock.release();

五、屏幕旋转

action	参数	备注
android.intent.rotation_0	无	旋转角度为 0

android.intent.rotation_90	无	旋转角度为 90
android.intent.rotation_180	无	旋转角度为 180
android.intent.rotation_270	无	旋转角度为 270

示例：

```
1.  Intent intent = new Intent();

2.  intent.setAction("android.intent.rotation_0");

3.  sendBroadcast(intent);
```

调用说明：

打开屏幕旋转功能：

```
1.  Settings.System.putInt(context.getContentResolver(),Settings.System.ACCELEROMETER_

    ROTATION,0);
```

设置屏幕方向

```
1.  Settings.System.putInt(context.getContentResolver(),Settings.System.USER_ROTATION,Su

    rface.ROTATION_0);

2.  //Surface.ROTATION_90，Surface.ROTATION_180， Surface.ROTATION_270.
```

六、APP 静默安装

action	参数	
com.android.xxx.installapp	apppath	需要安装 apk 的绝对路径

示例：

```
1.  Intent intent = new Intent();
```

```
2.   intent.setAction("com.android.xxx.installapp");

3.   intent.putExtra("apppath", "/sdcard/xxx.apk");

4.   sendBroadcast(intent);
```

shell 命令:

```
1.   pm install –r + "package name"
```

七、关闭第三方应用

action	参数	
com.android.xxx.killapp	packagename	需要关闭的应用的包名

示例:

```
1.   Intent intent = new Intent();

2.   intent.setAction("com.android.xxx.killapp");

3.   intent.putExtra("packagename", "com.xxxx.demo");

4.   sendBroadcast(intent);
```

调用说明:

```
1.   ActivityManager manager = getSystemService(Context.ACTIVITY_SERVICE);

2.   manager.forceStopPackage("包名");
```

八、定时开关机

action	参数

android.intent.action.setpoweronoff	timeon	开机时间，int 数组，如 int[] timeonArray = {2014, 10, 1, 8, 30};//下次开机具体日期时间，即在 2014.10.1 8:30 开机
	timeoff	关机时间，int 数组，如 int[] timeoffArray = {2014, 9, 1, 8, 30};//下次关机具体日期时间，即在 2014.9.1 8:30 关机
	enable	使能开关机功能，true 开启，false 关闭

示例:

```
1.  Intent intent = new Intent();

2.  int[] timeonArray = {2014, 10, 1, 8, 30};

3.  int[] timeoffArray = {2014, 9, 1, 8, 30};

4.  intent.putExtra("timeon", timeonArray);

5.  intent.putExtra("timeoff", timeoffArray);

6.  intent.putExtra("enable", true);

7.  sendBroadcast(intent);
```

九、系统时间设置（同步硬件时钟)

action	参数

com.android.xxx.setsystemtime	time	时间戳，单位 ms, String 类型

示例:

```
1.  Intent intent = new Intent();

2.  Calendar c = Calendar.getInstance();

3.  intent.putExtra("time", String.valueOf(c.getTimeInMillis()));

4.  sendBroadcast(intent);
```

调用说明:

```
1.  SystemClock.setCurrentTimeMillis(intent.getExtraString("time"));
```

十、截屏

action	参数	备注
android.intent.action.screencap	无	图片在 sdcard/Screenshots Android11：sdcard/Pictures/Screenshots

示例:

```
1.  Intent intent = new Intent();

2.  intent.setAction("android.intent.action.screencap");

3.  sendBroadcast(intent);
```

十一、隐藏状态栏

action	参数	备注
com.xxx.action.HIDE_STATUS_BAR	hide	true 则隐藏，false 则显示

示例:

```
1.  Intent intent = new Intent("com.xxx.action.HIDE_STATUS_BAR");

2.  intent.putExtra("hide", true);

3.  context.sendBroadcast(intent);




4.  显示  elc.view.show，elc.systembar.show，com.elclcd.unhidebar ;

5.  隐藏  elc.view.hide，elc.systembar.hide，com.elclcd.hidebar  ;
```

十二、屏幕背光控制

action	参数	备注
com.xxx.action.BACK_LIGHT_BRIGHTNESS	brightness	0-255 范围内选择亮度

示例:

```
1.  Intent intent = new Intent("com.xxx.action.BACK_LIGHT_BRIGHTNESS");

2.  intent.putExtra("brightness", 50);

3.  context.sendBroadcast(intent);
```

接口说明：

```
1.  Settings.System.putInt(getContentResolver(), Settings.System.SCREEN_BRIGHTNESS, 0~2

    55);
```

十三、调节音量大小：

示例:

```
1.  增大音量

2.  AudioManager audio = (AudioManager) getSystemService(Service.AUDIO_SERVICE);

3.  audio.adjustStreamVolume(AudioManager.STREAM_MUSIC,AudioManager.ADJUST_RAISE,

    AudioManager.FLAG_SHOW_UI);


4.  减小音量

5.  AudioManager audio = (AudioManager) getSystemService(Service.AUDIO_SERVICE);

6.  audio.adjustStreamVolume(AudioManager.STREAM_MUSIC,AudioManager.ADJUST_LOWE

    R,AudioManager.FLAG_SHOW_UI);
```

十四、静音接口：

示例:

```
1.  正常模式

2.  AudioManager.setRingerMode(AudioManager.RINGER_MODE_NORMAL);

3.  静音模式

4.  AudioManager.setRingerMode(AudioManager.RINGER_MODE_SILENT);
```

十五、恢复出厂设置接口：

action	参数	备注
android.intent.action.resetsystem	无	无

示例:

```
1.  boolean mEraseSdCard = false;

2.  boolean mEraseEsims = true;

3.  Intent i = new Intent("android.intent.action.FACTORY_RESET");

4.  i.setPackage("android");

5.  i.addFlags(Intent.FLAG_RECEIVER_FOREGROUND);

6.  i.putExtra("android.intent.extra.REASON", "MasterClearConfirm");

7.  i.putExtra("android.intent.extra.WIPE_EXTERNAL_STORAGE", mEraseSdCard);

8.  i.putExtra("com.android.internal.intent.extra.WIPE_ESIMS", mEraseEsims);

9.  sendBroadcast(i);
```