TW series API Setup Instructions

Apply Devices:

TW series (Android OS version 11 up):

- TW1023ASC-B3P
- TW1025LASC-B3PNR
- TW1623AS-B3P
- TW1625LASC-B3PNR
- TW2223AS-B3P
- S2225AS-B3P
- TW2424AS-B3P
- S2425AS-B3P
- TW3226AS-B3

I. System Public Interface

Action	Sample Code
Scheduled Power On	adbcommand(“system/xbin/test 201511062007 201511071505 enable”); (/system/xbin/text yyyyMMddHHmm(shut down time) yyyyMMddHHmm(boot up time) enable)
Scheduled Power Off	adbcommand(“system/xbin/test 201511062007 201511071505 disable”);
Screenshot	sendBroadcast(new Intent("android.intent.action.SCREENSHOT"));
Mute/ Normal	AudioManager.setRingerMode(AudioManager.RINGER_MODE_NORMAL) AudioManager.setRingerMode(AudioManager.RINGER_MODE_SILENT)
Raise Audio	AudioManager audio=(AudioManager) getSystemService(Service.AUDIO_SERVICE); audio.adjustStreamVolume(AudioManager.STREAM_MUSIC,AudioManager.ADJUST_RAISE, AudioManager.FLAG_SHOW_UI);
Lower Audio	AudioManager audio = (AudioManager) getSystemService(Service.AUDIO_SERVICE); audio.adjustStreamVolume(AudioManager.STREAM_MUSIC,AudioManager.ADJUST_LOWER,AudioManager.FLAG_SHOW_UI);
Brightness	Settings.System.putInt(getContentResolver(), Settings.System.SCREEN_BRIGHTNESS, 0~255);
Enable screen rotation	Settings.System.putInt(context.getContentResolver(),Settings.System.ACCELEROMETER_ROTATION,0);
Set screen rotation	Settings.System.putInt(context.getContentResolver(),Settings.System.USER_ROTATION,Surface.ROTATION_0);

reboot	Intent intent2 = new Intent(Intent.ACTION_REBOOT);
	intent2.putExtra("nowait", 1);
	intent2.putExtra("interval", 1);
	intent2.putExtra("window", 0);
	context.sendBroadcast(intent2);

Shutdown	try {

	Class<?> ServiceManager=Class.forName("android.os.ServiceManager");
	Method getService = ServiceManager.getMethod("getService", java.lang.
	String.class);
	Object oRemoteService = getService.invoke(null, Context.POWER_SERV
	ICE);
	Class<?> cStub = Class.forName("android.os.IPowerManager$Stub");
	Method asInterface=cStub.getMethod("asInterface", android.os.IBinder.cla
	ss);
	Object oIPowerManager = asInterface.invoke(null, oRemoteService);
	Method shutdown = oIPowerManager.getClass().getMethod("shutdown",
	boolean.class, boolean.class);
	shutdown.invoke(oIPowerManager, false, true);
	}
	catch (Exception e) {}

Kill app	ActivityManager manager=getSystemService(Context.ACTIVITY_SERVICE); manager.forceStopPackage(“package”);
SetSystemTime	SystemClock.setCurrentTimeMillis(Long.parseLong(“1641417660”));

Reset System	Intent intent_adw = new Intent(Intent.ACTION_MASTER_CLEAR);
	intent.setPackage("android");
	intent_adw.addFlags(Intent.FLAG_RECEIVER_FOREGROUND);
	intent_adw.putExtra(Intent.EXTRA_REASON,"MasterClearConfirm");
	intent_adw.putExtra(Intent.EXTRA_WIPE_EXTERNAL_STORAGE,false);
	intent.putExtra("com.android.internal.intent.extra.WIPE_ESIMS",true);
	context.sendBroadcast(intent_adw);

Enable HDMI	adbcommand("echo on > /sys/class/drm/card0-HDMI-A-1/status");
Disable HDMI	adbcommand("echo off > /sys/class/drm/card0-HDMI-A-1/status");

II. Broadcast Interface

Sleep/ Wake up:

action	value
android.intent.action.gotosleep	Device sleep
android.intent.action.exitsleep	Device wake up

Example:

sendBroadcast(new Intent("android.intent.action.gotosleep"));

sendBroadcast(new Intent("android.intent.action.exitsleep"));

Hide/ Show Status bar:

action	value
elc.view.hide	Hide status bar
elc.view.show	Show status bar

Example:

sendBroadcast(new Intent("elc.view.hide "));

sendBroadcast(new Intent("elc.view.show "));

Screenshot:

Action	value
android.intent.action.screencap	Get screenshot storage path : Environment.getExternalStorageDirectory().getAbsolutePath()+"/screenshot.png"

Example:

sendBroadcast(new Intent("android.intent.action.SCREENSHOT"));

Scheduled Power on/off:

(power-on time must be later than the power-off time)

Action	**Value**

android.intent.action .setpoweronoff	timeon	Power-on time as an int array, e.g.: int[] timeonArray = {2014, 10, 1, 8, 30}; → powers on at 2014-10-01 08:30
	timeoff	Power-off time as an int array, e.g.: int[] timeoffArray = {2014, 9, 1, 8, 30}; → powers off at 2014-09-01 08:30
	enable	Boolean to enable/disable scheduled power feature: true = enable, false = disable

Example:

```
Intent intent = new Intent();
int[] timeonArray = {2014, 10, 1, 8, 30};
int[] timeoffArray = {2014, 9, 1, 8, 30};
intent.putExtra("timeon", timeonArray);
intent.putExtra("timeoff", timeoffArray);
intent.putExtra("enable", true);
sendBroadcast(intent);
```

Brightness:

action	value	
com.xxx.action.BACK_LIGHT_BRIGHTNESS	brightness	Set brightness in range of 0-255

Example:

```
Intent intent = new Intent("com.xxx.action.BACK_LIGHT_BRIGHTNESS");
Intent.putExtra("brightness", 50);
context.sendBroadcast(intent);
```

Reboot/ Shutdown:

Action	value
android.intent.action.reboot	NA
android.intent.action.shutdown	NA

Example:

```
Intent intent = new Intent();
intent.setAction("android.intent.action.reboot");
intent.setAction("android.intent.action.shutdown");
sendBroadcast(intent);
```

Silent install / Killapp:

action	value	
com.android.xxx.installapp	packagename	ex:com.xxxx.demo
com.android.xxx.killapp		

Example

```
Intent intent = new Intent();
intent.setAction("com.android.xxx.installapp");
intent.setAction("com.android.xxx.killapp");
intent.putExtra("packagename", "com.xxxx.demo");
sendBroadcast(intent);
```

SetTime:

action	value	
com.android.xxx.setsystemtime	time	Timestamp, ms, string type

Example

```
Intent intent = new Intent();
Calendar c = Calendar.getInstance();
intent.putExtra("time", String.valueOf(c.getTimeInMillis()));
sendBroadcast(intent);
```

Reset System:

Action	value
android.intent.action.resetsystem	NA

Example

```
boolean mEraseSdCard = false;

boolean mEraseEsims = true;

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

i.setPackage("android");

i.addFlags(Intent.FLAG_RECEIVER_FOREGROUND);

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

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

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

sendBroadcast(i);
```

App silent install:

Action	value
android.intent.action.resetsystem	NA

Example

```
boolean mEraseSdCard = false;

boolean mEraseEsims = true;
```