

# Plugin Objects

Published 2014-10-28 | (Compatible with SDK 2.5,3.5,4.5,5.0,5.1 and 2011,2012,2013,2014 models)

Allows you to use some plugin functions.

The Application Manager provides a wrapper class that allows you to use some plugin functions. To use this class, insert the objects needed for the use of plugins in the index.html file.

Plugin	
<b>Library path</b>	\$MANAGER_WIDGET/Common/API/Plugin.js
<b>Syntax</b>	new Common.API.Plugin()
<b>Methods</b>	<a href="#">setOnWatchDog()</a> <a href="#">setOffWatchDog()</a> <a href="#">setOnOSDState()</a> <a href="#">setOffOSDState()</a> <a href="#">registKey()</a> <a href="#">unregistKey()</a> <a href="#">registIMEKey()</a> <a href="#">unregistIMEKey()</a> <a href="#">registAllKey()</a> <a href="#">unregistAllKey()</a> <a href="#">registFullWidgetKey()</a> <a href="#">registPartWidgetKey()</a> <a href="#">SetBannerState()</a> <a href="#">ShowTools()</a> <a href="#">setOnIdleEvent()</a> <a href="#">setOffIdleEvent()</a> <a href="#">setOnScreenSaver()</a> <a href="#">setOffScreenSaver()</a> <a href="#">isViewerKey()</a> <a href="#">setOnFullScreen()</a> <a href="#">setOffFullScreen()</a>
<b>Parameter</b>	None
<b>Return Value</b>	Plugin object
<b>Remarks</b>	Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnWatchDog();</pre>
<b>Members</b>	None

Plugin	
<b>Object list</b>	<pre>// pluginObjectTVMW &lt;object id="pluginObjectTVMW" border="0" classid="clsid:SAMSUNG-INFOLINK-TVMW" style="opacity: 0.0; background-color: #000; width: 0px; height: 0px;"&gt;&lt;/object&gt;  // pluginObjectVideo &lt;object id="pluginObjectVideo" border="0" classid="clsid:SAMSUNG-INFOLINK-VIDEO" style="opacity: 0.0; background-color: #000;"&gt;&lt;/object&gt;  // pluginObjectNNAvi &lt;object id="pluginObjectNNAvi" classid="clsid:SAMSUNG-INFOLINK-NNAVI" style="opacity: 0.0; background-color: #000; width: 0px; height: 0px;"&gt;&lt;/object&gt;  // pluginObjectAppCommon &lt;object id="pluginObjectAppCommon" classid="clsid:SAMSUNG-INFOLINK-APPCOMMON" style="opacity: 0.0; background-color: #000; width: 0px; height: 0px;"&gt;&lt;/object&gt;</pre>

setOnWatchDog	
The setOnWatchDog() method turns on the Watch dog function.	
<b>Syntax</b>	setOnWatchDog()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnWatchDog();</pre>

setOffWatchDog	
The setOffWatchDog() method turns off the Watch dog function.	
<b>Syntax</b>	setOffWatchDog()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOffWatchDog();</pre>

setOnOSDState	
The setOnOSDState() method sets the area where the OSD is protected.	
<b>Syntax</b>	setOnOSDState(left, top, width, height)
<b>Parameter</b>	left: left coordinate of the area top: top coordinate of the area width: width of the area height: height of the area
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnOSDState(0, 0, 330, 540);</pre>

setOffOSDState	
The setOffOSDState() method cancels the previously set OSD area.	
<b>Syntax</b>	setOffOSDState(left, top, width, height)
<b>Parameter</b>	left: left coordinate of the area top: top coordinate of the area width: width of the area height: height of the area
<b>Return Value</b>	None
<b>Enumeration</b>	None

setOffOSDState	
<b>Remarks</b>	Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOffOSDState(0, 0, 330, 540);</pre>

registKey	
The registKey() method lets the Application Manager register a specific key.	
<b>Syntax</b>	registKey(pNumKeyCode)
<b>Parameter</b>	pNumKeyCode: <a href="#">key code</a>
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Registration/unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.registKey(tvKey.KEY_ TOOLS);</pre>

unregistKey	
The unregistKey() method lets the Application Manager unregister a specific key.	
<b>Syntax</b>	unregistKey(pNumKeyCode)
<b>Parameter</b>	pNumKeyCode: <a href="#">key code</a>
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Registration/unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI =&gt;new Common.API.Plugin(); pluginAPI.unreistKey(tvKey.KEY_ TOOLS);</pre>

registIMEKey	
The registIMEKey() method lets the Application Manager register IME key.	
<b>Syntax</b>	registIMEKey()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Registers number keys from 0 to 9, - (hyphen), and previous channel key used for entering IME.</p> <p>Registration/unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.registIMEKey();</pre>

unregistIMEKey	
The unregistIMEKey() method lets the Application Manager unregister IME key.	
<b>Syntax</b>	unregistIMEKey()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None

unregistIMEKey	
<b>Remarks</b>	<p>Unregisters number keys from 0 to 9, - (hyphen), previous channel key used in entering IME.</p> <p>Registration/unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.unregistIMEKey();</pre>

registAllKey	
The registAllKey() method let the Application Manager register all keys.	
<b>Syntax</b>	registAllKey()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Registers all keys</p> <p>Registration/Unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.registAllKey();</pre>

unregistAllKey	
The unregistAllKey() method let the Application Manager unregister all keys.	
<b>Syntax</b>	unregistAllKey()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Remarks</b>	<p>Unregisters all keys.</p> <p>Registration/Unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.unregistAllKey();</pre>
<b>Enumeration</b>	None

registFullWidgetKey	
The registFullWidgetKey() method let the Application Manager register a specific key group.	
<b>Syntax</b>	registFullWidgetKey()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Registers keys for fullwidget.</p> <p>Registration/Unregistration of keys should be done after window.onshow event.</p> <p>For more information, see <a href="#">Handling Remote Control Key Events</a>.</p> <p>Since Samsung Smart TV version 2.265</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.registFullWidgetKey();</pre>

registPartWidgetKey	
The registPartWidgetKey() method lets the Application Manager register a specific key group.	
<b>Syntax</b>	registPartWidgetKey()
<b>Parameter</b>	None

registPartWidgetKey	
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Registers keys for part widget.  Registration/Unregistration of keys should be done after window.onshow event.  For more information, see <a href="#">Handling Remote Control Key Events</a> .  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.registPartWidgetKey();</pre>

SetBannerState	
The SetBannerState() method sets volume and channel OSD with the application.	
<b>Syntax</b>	SetBannerState(nState)
<b>Parameter</b>	nState: Defined value on OSD you want to bring with the application: PL_NNAVI_STATE_BANNER_NONE = 0; Not Overwrapped OSD PL_NNAVI_STATE_BANNER_VOL = 1; Overwrapped Volume OSD PL_NNAVI_STATE_BANNER_VOL_CH = 2; Overwrapped Volume and Channel OSD (ex: Ticker App)
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	To have the volume OSD on the screen, the volume key value should be registered. This is also applicable for channel OSD.  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var PL_NNAVI_STATE_BANNER_NONE = 0; var PL_NNAVI_STATE_BANNER_VOL = 1; var PL_NNAVI_STATE_BANNER_VOL_CH = 2; var pluginAPI = new Common.API.Plugin(); var tvKey = new Common.API.TVKeyValue(); pluginAPI.unregisterKey(tvKey.KEY_VOL_UP); pluginAPI.unregisterKey(tvKey.KEY_VOL_DOWN); pluginAPI.SetBannerState(PL_NNAVI_STATE_BANNER_VOL);</pre>

ShowTools	
The ShowTools() method displays pop-up windows for screen and sound adjustment.	
<b>Syntax</b>	ShowTools(nTool)
<b>Parameter</b>	nTool: Defined value on the pop-up window to be displayed:  0 : Sound Setting pop-up 1 : Picture Setting pop-up
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	You can see the point when the popup window is closed by signing up for curWidget.onWidgetEvent.  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>curWidget.onWidgetEvent = function() {     // Code that will be executed after closing the pop-up window } var pluginAPI = new Common.API.Plugin(); pluginAPI.ShowTools(1);</pre>

setOnIdleEvent	
The setOnIdleEvent() method enables the closing of the application if there is no input for a certain amount of time.	
<b>Syntax</b>	setOnIdleEvent()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	1. Default is set as Idle ON. 2. Recall the function when idle process is required after calling setOffIdleEvent method (for example, when closing image playing).  Since Samsung Smart TV version 2.265

setOnIdleEvent	
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnIdleEvent();</pre>

setOffIdleEvent	
The setOffIdleEvent() method sets idle OFF, which disables the closing of the application even if there is no input for a certain amount of time.	
<b>Syntax</b>	setOffIdleEvent()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	1. Default is set as "idle ON". 2. Setting Idle OFF is needed in case of watching clips for a long time.  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOffIdleEvent();</pre>

setOnScreenSaver	
The setOnScreenSaver() sets the screen saver on.	
<b>Syntax</b>	setOnScreenSaver()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Screensaver is OFF when the application is closed.  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnScreenSaver();</pre>

setOffScreenSaver	
The setOffScreenSaver() method sets off the screen saver.	
<b>Syntax</b>	setOffScreenSaver()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	Available after calling setOnScreenSaver.  Since Samsung Smart TV version 2.265
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOffScreenSaver();</pre>

isViewerKey	
The isViewerKey() method decides whether the key value entered is applicable for TV View or for the application.	
<b>Syntax</b>	isViewerKey(pKeyCode)
<b>Parameter</b>	pKeyCode: entered remote control key value at present
<b>Return Value</b>	True - Key processing for TV Viewer  False - Key processing for Application
<b>Enumeration</b>	None
<b>Remarks</b>	For processing the entered remote control keys, the input value in TV viewer is automatically transferred.  Since Application Manager 2.266
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.isViewerKey(KEY_ENTER)</pre>

setOnFullScreen	
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setOnFullScreen	
The setOnFullScreen() method turns on full screen.	
<b>Syntax</b>	setOnFullScreen()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>In case of &lt;fullwidget&gt;y&lt;/fullwidget&gt;, it is not necessary to call this function.</p> <p>Since Samsung Smart TV version 2.306</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOnFullScreen();</pre>

setOffFullScreen	
The setOffFullScreen() method turns off full screen.	
<b>Syntax</b>	setOffFullScreen()
<b>Parameter</b>	None
<b>Return Value</b>	None
<b>Enumeration</b>	None
<b>Remarks</b>	<p>Available after calling setOnFullScreen.</p> <p>Since Samsung Smart TV version 2.306)</p>
<b>Example</b>	<pre>var pluginAPI = new Common.API.Plugin(); pluginAPI.setOffFullScreen();</pre>