

SMARTHOME

This class provides methods to bring the information of appliances that can be connected to SmartHome, check status and be able to modify, etc.

Add the following line for SmartHome class into a html file your own :

```
<script type="text/javascript" src="$MANAGER_WIDGET/Common/webapi/1.0/webapis.js"></script>
```

You can declare SmartHome class like this :

```
ex) var smarthome = webapis.smarthome;
```

Enum

Object	Name	Value	Description
SMART_HOME_CMD	CMD_MODE	CMD_MODE	This identifier indicates a command for accessing device's mode.
	CMD_WIND_DIRECTION	CMD_WIND_DIRECTION	This identifier indicates a command for accessing a value of wind's direction.
	CMD_WIND_SPEEDLEVEL	CMD_WIND_SPEEDLEVEL	This identifier indicates a command for accessing a value of wind's speedlevel.
	CMD_TEMPERATURECURRENT	CMD_TEMPERATURECURRENT	This identifier indicates a command for accessing a value of current temperature.
	CMD_TEMPERATUREDESIRED	CMD_TEMPERATUREDESIRED	This identifier indicates a command for accessing a value of desired temperature.
	CMD_OPERATION	CMD_OPERATION	This identifier indicates a command for accessing device's operation.
MODE_VALUE	AC_AUTO	auto	This identifier indicates aircondition's auto mode.
	AC_COOL	cool	This identifier indicates aircondition's cool mode.
	AC_DRY	dry	This identifier indicates aircondition's dry mode.
	AC_FAN	fan	This identifier indicates aircondition's fan mode.
	AC_HEAT	heat	This identifier indicates aircondition's heat mode.
WIND_DIRECTION_VALUE	AC_UNKNOWN	unknown	This identifier indicates unknown status.
	AC_WIDE	wide	This identifier indicates wide status.
	AC_CENTER	center	This identifier indicates center status.
	AC_LEFT	left	This identifier indicates left status.
	AC_RIGHT	right	This identifier indicates right status.
	AC_LONG	long	This identifier indicates long status.
OPERATION_VALUE	POWER_ON	on	This identifier indicates POWER ON operation.
	POWER_OFF	off	This identifier indicates POWER OFF operation.

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Methods

init	
Description	
This function creates initial connection.	
Parameters	none
Return	■Boolean - true : success to initialize - false : fail to initialize
Emulator Support	Y
SDK Constraint	- Support from SDK 5.0 - Dummy Return Value : true
Example	
<pre>if (webapis.smarthome.init() == false) { alert("Fail to init SmartHome API"); return false; }</pre>	
destroy	
Description	
This function releases connection.	

Parameters	none
Return	■void
Emulator Support	Y
SDK Constraint	- Support from SDK 5.0
Example	
webapis.smarthome.destroy();	
<h2>getDevices</h2>	
Description	
This function gets all the devices.	
Parameters	none
Return	■Array - Contains all devices' information. * (e.g.) deviceIdList : ["1d520e69-885b-44a4-866f-22e9fa7fe937","4bd37d06-5837-419b-94e9-ef07a809c74a","637c9308-01fd-474b-b465-812116ce4511","1d520e69-885b-44a4-866f-22e9fa7fe93b","4bd37d06-5837-419b-94e9-ef07a809c74e","637c9308-01fd-474b-b465-812116ce4519"]
Emulator Support	Y
SDK Constraint	- Support from SDK 5.0 - Dummy Return Value : ["1d520e69-885b-44a4-866f-22e9fa7fe937","4bd37d06-5837-419b-94e9-ef07a809c74a","637c9308-01fd-474b-b465-812116ce4511","1d520e69-885b-44a4-866f-22e9fa7fe93b","4bd37d06-5837-419b-94e9-ef07a809c74e","637c9308-01fd-474b-b465-812116ce4519"]
Example	
<pre>var deviceIdList = webapis.smarthome.getDevices(); for (var i = 0; i < deviceIdList.length; i++) { alert("device id: " + deviceIdList[i]); } if(deviceIdList.length <= 0) { alert("No device exist"); }</pre>	
<h2>getDeviceName</h2>	
Description	
This function gets the device's name according the device id.	
Parameters	■deviceId(Mandatory) - String - device id from getDevices() * (e.g.) deviceId: "0a23cbc7-e061-4884-93e7-387604d69516"
Return	■String - Contains the device's name * (e.g.) name : "Air Conditioner"
Emulator Support	Y
SDK Constraint	- SDK 5.0 □□□□ □□ - Dummy Return Value(□□□ Device ID□ □□ □□□)"1d520e69-885b-44a4-866f-22e9fa7fe937": "MEMORYasdghjklqwertyuiopzxcvbnm3333333333333333", "4bd37d06-5837-419b-94e9-ef07a809c74a": "13K_WM_LCD", "637c9308-01fd-474b-b465-812116ce4511": "REF" "1d520e69-885b-44a4-866f-22e9fa7fe93b": "MEMORY" "4bd37d06-5837-419b-94e9-ef07a809c74e": "13K_WM_LCD_TOW" "637c9308-01fd-474b-b465-812116ce4519": "REF_TOW"
Example	
<pre>var devName = webapis.smarthome.getDeviceName("0a23cbc7-e061-4884-93e7-387604d69516"); if(devName) { alert("The device name is:" + devName); } else { alert("Get device name failed"); }</pre>	
<h2>getDeviceType</h2>	
Description	
This function gets the device's type according the device id	
Parameters	■deviceId(Mandatory) - String - device id from getDevices() * (e.g.) deviceId: "0a23cbc7-e061-4884-93e7-387604d69516"
Return	■String - Contains the device's type * (e.g.) type : "Washer"
Emulator Support	Y
SDK Constraint	- Support from SDK 5.0 - Dummy Return Value(□□□ Device ID□ □□ □□□)"1d520e69-885b-44a4-866f-22e9fa7fe937": "Air_Conditioner", "4bd37d06-5837-419b-94e9-ef07a809c74a": "Washer", "637c9308-01fd-474b-b465-812116ce4511": "Refrigerator" "1d520e69-885b-44a4-866f-22e9fa7fe93b": "Air_Conditioner", "4bd37d06-5837-419b-94e9-ef07a809c74e": "Washer", "637c9308-01fd-474b-b465-812116ce4519": "Refrigerator"
Example	
<pre>var deviceType = webapis.smarthome.getDeviceType("0a23cbc7-e061-4884-93e7-387604d69516"); if(deviceType) { alert("The device type is:" + deviceType); } else { alert("Get device type failed"); }</pre>	
<h2>getDeviceStatus</h2>	
Description	
This function gets the device's status information	

Parameters	<ul style="list-style-type: none"> ■deviceId(Mandatory) <ul style="list-style-type: none"> - String - Contains device's id * (e.g.) deviceId: "0a23bc7-e061-4884-93e7-387604d69516" ■cmd(Mandatory) <ul style="list-style-type: none"> - SMART_HOME_CMD - Contains the status which will be got * value: SMART_HOME_CMD (CMD_MODE,CMD_OPERATION_POWER,CMD_AC_WIND_DIRECTION,CMD_AC_WIND_SPEEDLEVEL,CMD_AC_TEMPERATURE_DESIRED,CMD_AC_TEMPERATURE_CURRENT,CMD_REF_TEMP)
Return	<ul style="list-style-type: none"> ■String - Contains device's status information * (e.g.) mode : "cool"
Emulator Support	Y
SDK Constraint	<p>- Support from SDK 5.0 - Dummy Return Value(□□□ Device ID □□ □□□) "1d520e69-885b-44a4-866f-22e9fa7fe937" CMD_MODE : "cool",CMD_AC_WIND_DIRECTION : "center",CMD_AC_WIND_SPEEDLEVEL : "3",CMD_AC_TEMP</p> <p>"on",CMD_REF_TEMPERATURE_FREZZE:exceptionCMD_REF_TEMPERATURE_FRIDGE:exceptionCMD_WASHER_OPERATION_PROGRESS:undefinedCMD_WASHER_OPERATION_STATE:undefinedCMD_WASHER_OPERATION</p> <p>null,CMD_AC_TEMPERATURE_CURRENT : null,CMD_AC_TEMPERATURE_DESIRED : null,CMD_OPERATION_POWER : "on",CMD_REF_TEMPERATURE_FREZZE:null,CMD_REF_TEMPERATURE_FRIDGE:null,CMD_WASHER_C</p> <p>null,CMD_AC_WIND_DIRECTION : null,CMD_AC_WIND_SPEEDLEVEL :null,CMD_AC_TEMPERATURE_CURRENT : exception,CMD_AC_TEMPERATURE_DESIRED : undefinedCMD_OPERATION_POWER : "null",CMD_REF_TEMPE</p> <p>3,CMD_REF_TEMPERATURE_FRIDGE:18,CMD_WASHER_OPERATION_PROGRESS:nullCMD_WASHER_OPERATION_STATE:nullCMD_WASHER_OPERATION_PROGRESS_PERCENTAGE :null"1d520e69-885b-44a4-866f-22e9f</p> <p>"20",CMD_OPERATION_POWER : "off",CMD_REF_TEMPERATURE_FREZZE:exceptionCMD_REF_TEMPERATURE_FRIDGE:exceptionCMD_WASHER_OPERATION_PROGRESS:undefinedCMD_WASHER_OPERATION_STATE:unde</p> <p>null,CMD_AC_WIND_SPEEDLEVEL :null,CMD_AC_TEMPERATURE_CURRENT : null,CMD_AC_TEMPERATURE_DESIRED : null,CMD_OPERATION_POWER : "off",CMD_REF_TEMPERATURE_FREZZE:null,CMD_REF_TEMPERATU</p> <p>812116ce4519"CMD_MODE : null,CMD_AC_WIND_DIRECTION : null,CMD_AC_WIND_SPEEDLEVEL :null,CMD_AC_TEMPERATURE_CURRENT : exception,CMD_AC_TEMPERATURE_DESIRED : undefinedCMD_OPERATION_POW</p> <p>10,CMD_REF_TEMPERATURE_FRIDGE:20,CMD_WASHER_OPERATION_PROGRESS:nullCMD_WASHER_OPERATION_STATE:nullCMD_WASHER_OPERATION_PROGRESS_PERCENTAGE :null</p>

setDeviceStatus

Description

Parameters	<ul style="list-style-type: none"> ■ deviceId(Mandatory) <ul style="list-style-type: none"> - String - Contains device's id * (e.g.) deviceId: "0a23cbc7-e061-4884-93e7-387604d69516" ■ cmd(Mandatory) <ul style="list-style-type: none"> - SMART_HOME_CMD - Contains the status which will be modified * value: SMART_HOME_CMD (CMD_MODE,CMD_OPERATION_POWER,CMD_AC_WIND_DIRECTION,CMD_AC_WIND_SPEEDLEVEL,CMD_AC_TEMPERATURE_DESIRED,CMD_AC_TEMPERATURE_CURRENT,CMD_REF_TEMP) ■ statusInfo(Mandatory) <ul style="list-style-type: none"> - Contains the status information which will be changed to be. * (e.g.) statusInfo: MODE_VALUE.AC_COOL * value <ul style="list-style-type: none"> - CMD_OPERATION_POWER : OPERATION_VALUE.POWER_ON,OPERATION_VALUE.POWER_OFF - CMD_MODE : AC_AUTO,AC_COOL,AC_DRY,AC_FAN,AC_HEAT - CMD_AC_WIND_DIRECTION : AC_WIDE,AC_CENTER,AC_LEFT,AC_RIGHT,AC_LONG - CMD_AC_TEMPERATURE_DESIRED : INT(18 ~30) - CMD_AC_WIND_SPEEDLEVEL:INT
Return	<ul style="list-style-type: none"> ■ Boolean <ul style="list-style-type: none"> - Contains the modify result - true : success , false : fail * (e.g.) setFlag : true
Emulator Support	Y
SDK Constraint	- Support from SDK 5.0 - Dummy Return Value : true- <code>getDeviceStatus()</code> Dummy Return Value