

AUDIOCONTROL

This class manipulates Volume with deviceapis.audiocontrol object and is used for manipulating the Audio Device volume or DTV volume.

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

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

You can declare audiocontrol class like this :

```
ex) var audiocontrol= deviceapis.audiocontrol;
```

Contents

Constants

Methods

[getMute](#)

[getOutputMode](#)

[getVolume](#)

[playSound](#)

[setMute](#)

[setVolume](#)

[setVolumeDown](#)

[setVolumeUp](#)

Constants

Name	Value	Description
MODE_AUDIO_OUTPUT_PCM	0	identifier for the PCM audio output mode
MODE_AUDIO_OUTPUT_DOLBY	1	identifier for the DOLBY audio output mode
MODE_AUDIO_OUTPUT_DTS	2	identifier for the DTS audio output mode
AUDIO_SOUND_TYPE_UP	1	identifier for the UP sound
AUDIO_SOUND_TYPE_DOWN	2	identifier for the DOWN sound
AUDIO_SOUND_TYPE_LEFT	3	identifier for the LEFT sound
AUDIO_SOUND_TYPE_RIGHT	4	identifier for the RIGHT sound
AUDIO_SOUND_TYPE_PAGE_LEFT	5	identifier for the PAGE LEFT sound
AUDIO_SOUND_TYPE_PAGE_RIGHT	6	identifier for the PAGE RIGHT sound
AUDIO_SOUND_TYPE_BACK	7	identifier for the BACK sound

AUDIO_SOUND_TYPE_SELECT	8	identifier for the SELECT sound
AUDIO_SOUND_TYPE_CANCEL	9	identifier for the CANCEL sound
AUDIO_SOUND_TYPE_WARNING	10	identifier for the WARNING sound
AUDIO_SOUND_TYPE_KEYPAD	11	identifier for the KEYPAD sound
AUDIO_SOUND_TYPE_KEYPAD_ENTER	12	identifier for the KEYPAD ENTER sound
AUDIO_SOUND_TYPE_KEYPAD_DEL	13	identifier for the KEYPAD DEL sound
AUDIO_SOUND_TYPE_SMARTCONTROL_MOVE	14	identifier for the SMART CONTROL MOVE sound
AUDIO_SOUND_TYPE_SMARTCONTROL_SELECT	15	identifier for the SMART CONTROL SELECT sound
AUDIO_SOUND_TYPE_MOVE	16	identifier for the MOVE sound
AUDIO_SOUND_TYPE_PREPARING	17	identifier for the PREPARING sound

Methods

getMute

Description

Returns the current mute state of the DTV.

Parameters	none
Return	■Boolean - true : audio is muted - false : audio is not muted
Emulator Support	Y
SDK Constraint	None

Example

```
boolean MuteState = deviceapis.audiocontrol.getMute();
```

getOutputMode

Description

Returns the current external audio output mode (PCM, DOLBY, DTS).

Parameters	none
Return	■Unsigned short - current external audio output mode * MODE_AUDIO_OUTPUT_PCM * MODE_AUDIO_OUTPUT_DOLBY * MODE_AUDIO_OUTPUT_DTS
Emulator Support	Y
SDK Constraint	None

Example

```
unsigned short OutputMode = deviceapis.audiocontrol.getOutputMode();
```

getVolume

Description

Returns the current volume of the DTV System. The range of volume is 0 ~ 100.

Parameters	none
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Return	<ul style="list-style-type: none"> ■Unsigned short - The current volume level.
Emulator Support	Y
SDK Constraint	None
Example	
unsigned short Volume = deviceapis.audiocontrol.getVolume();	

playSound

Description	
plays a specific beep sound.	
Parameters	<ul style="list-style-type: none"> ■soundType - Unsigned short - beep sound type which will be played
Return	<ul style="list-style-type: none"> ■Void
Emulator Support	Y
SDK Constraint	None
Example	
<pre>try{ webapis.audiocontrol.playSound(webapis.audiocontrol.AUDIO_SOUND_TYPE_UP); } catch (error) { console.log(error.name); }</pre>	

setMute

Description	
Sets the mute state of the audio device.	
Parameters	<ul style="list-style-type: none"> ■mute - Boolean - true: Sets state as mute, false: Sets state as non-mute
Return	<ul style="list-style-type: none"> ■Void
Emulator Support	Y
SDK Constraint	None
Example	
deviceapis.audiocontrol.setMute(true);	

setVolume

Description	
Sets the volume level on DTV system. The rage of volume is 0 ~ 100.	
Parameters	<ul style="list-style-type: none"> ■volume - Unsigned short - range (0 ~ 100)
Return	<ul style="list-style-type: none"> ■Void
Emulator Support	Y
SDK Constraint	None

Example	
deviceapis.audiocontrol.setVolume(25);	
setVolumeDown	
Description	
Decreases the volume of the DTV system. The rage of volume is 0 ~ 100.	
Parameters	none
Return	■Void
Emulator Support	Y
SDK Constraint	None
Example	
deviceapis.audiocontrol.setVolumeDown();	
setVolumeUp	
Description	
Increases the volume of the DTV System. The range of volume is 0 ~ 100.	
Parameters	none
Return	■Void
Emulator Support	Y
SDK Constraint	None
Example	
deviceapis.audiocontrol.setVolumeUp();	