

DISPLAYCONTROL

This API provides stereoscopy (also called 3D) effects on the device associated with the TV.
A webapis.displaycontrol object provides access to the functionality of the displaycontrol API.

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

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

You can declare displaycontrol class like this :

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

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Constants

Name	Value	Description
MODE_3D_EFFECT_OFF	0	identifier for 3DEffect mode off
MODE_3D_EFFECT_TOP_BOTTOM	1	identifier for 3DEffect mode top_bottom
MODE_3D_EFFECT_SIDE_BY_SIDE	2	identifier for 3DEffect mode top_bottom
MODE_3D_EFFECT_LINE_BY_LINE	3	identifier for 3DEffect mode line_by_line
MODE_3D_EFFECT_VERTICAL_STRIPE	4	identifier for 3DEffect mode vertical_stripe
MODE_3D_EFFECT_FRAME_SEQUENCE	5	identifier for 3DEffect mode frame_sequence
MODE_3D_EFFECT_CHECKER_BD	6	identifier for 3DEffect mode frame_sequence
MODE_3D_EFFECT_FROM_2D_TO_3D	7	identifier for 3DEffect mode convert 2D to 3D
MODE_3D_DEVICE_NOT_CONNECTED	-1	Supports 3D Mode, but 3D Display is not connected.
MODE_3D_NOT_SUPPORTED	0	No support for 3D Mode
MODE_3D_ENABLE_OK	1	identifier for enabling 3D Mode

Methods

check3DModeEnable

Description

This function checks 3D mode is enabled or not.	
Parameters	none
Return	■ Number - 3D Effect Mode index
Emulator Support	Yes
SDK Constraint	None
Example	
<pre>var retValue = webapis.displaycontrol.check3DModeEnable();</pre>	

get3DEffectMode

Description

Gets the current 3DEffectMode of the DTV.

Parameters	none
Return	■ Unsigned short - A constant number from the following list: * MODE_3D_EFFECT_OFF * MODE_3D_EFFECT_TOP_BOTTOM * MODE_3D_EFFECT_SIDE_BY_SIDE * MODE_3D_EFFECT_LINE_BY_LINE * MODE_3D_EFFECT_VERTICAL_STRIPE * MODE_3D_EFFECT_FRAME_SEQUENCE * MODE_3D_EFFECT_CHECKER_BD * MODE_3D_EFFECT_FROM_2D_TO_3D * MODE_3D_EFFECT_FROM_3D_TO_2D
Emulator Support	Y
SDK Constraint	None
Example	
<pre>var current3DMode = deviceapis.audiocontroldisplaycontrol.get3DEffectMode();</pre>	

get3DModeSupportList

Description

Gets the supported 3D Effects

Parameters	■ successCallback - Function - success callback for retrieving a list of 3D modes ■ errorCallback - Function - Function called when an error occurs
Return	■ Void
Emulator Support	Y
SDK Constraint	None
Example	
<pre>webapis.displaycontrol.get3DModeSupportList(successCB, errorCB);</pre>	