

SF.SERVICE.AUDIOPLAYER

***** This class will not be supported in 2015.***

All functionalities of sf.service.AudioPlayer class are more improved, integrating with CAPH. Therefore sf.service.AudioPlayer class is not supported since 2015 Smart TV. To use functions of sf.service.AudioPlayer class, refer to [here](#).

This class describes functions for audio control with service API. This class defines various functions in addition to the basic functions. The basic functions are play, stop, pause, resume etc.

Add the following line for sf.service.AudioPlayer class into a html file your own :

```
<script type="text/javascript" src="$MANAGER_WIDGET/Common/af/2.0.0/loader.js"></script>
```

You can declare sf.service.AudioPlayer class like this :

```
ex) var audioPlayer = sf.service.AudioPlayer;
```

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Methods

getControllerArea

Description

This function gets coordinate of controller area.

Parameters

none

Return

■Object
- The controller's area rectangle.
- Object containing 'left', 'top', 'width' and 'height'.

Emulator Support

N

SDK Constraint

None

Example

```
var rect = sf.service.AudioPlayer.getControllerArea();
```

getCurrentTime

Description

This function gets current playing time.

Parameters

none

Return

■Number
- Current playing time

Emulator Support

N

SDK Constraint

None

Example

```
var a = sf.service.AudioPlayer.getCurrentTime();
```

getDuration

Description

This function gets total playing time.

Parameters

none

Return

■String
- Duration of the audio in milliseconds.

Emulator Support

N

SDK Constraint

None

Example

```
var duration = sf.service.AudioPlayer.getDuration();
```

getPlayingItem

Description

This function gets audio item information of current playing item.

Parameters

none

| | |
|----------------------------------------------------------------|---------------------------------|
| Return | ■String - current audio item |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| <pre>var item = sf.service.AudioPlayer.getPlayingItem();</pre> | |

getRepeatMode

Description

This function gets current repeat mode.

| | |
|------------------|----------------------------------|
| Parameters | none |
| Return | ■String - current repeat mode |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
document.getElementById('AudioPlayerCtrlRepeat').innerHTML = statesymbols[sf.service.AudioPlayer.getRepeatMode()];
```

getShuffleMode

Description

This function gets current shuffle mode.

| | |
|------------------|-----------------------------------|
| Parameters | none |
| Return | ■String - current shuffle mode |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
var a = sf.service.AudioPlayer.getShuffleMode();
```

getState

Description

This function gets current audioplayer state.(play/stop/pause/and so on..)

| | |
|------------------|----------------------------------------|
| Parameters | none |
| Return | ■String - current audioplayer state |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
var state = sf.service.AudioPlayer.getState();
```

getZIndex

Description

| | |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| This function gets Zindex of Controller. | |
| Parameters | none |
| Return | <div>■Number</div> <div>- The controller's zindex.</div> |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| <pre>var zindex = sf.service.AudioPlayer.getZIndex();</pre> | |
| hideController | |
| Description | |
| This function hides controller. | |
| Parameters | none |
| Return | <div>■Boolean</div> <div>- true : Success</div> <div>- false : Fail</div> |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| <pre>sf.service.AudioPlayer.hideController();</pre> | |
| init | |
| Description | |
| This function initializes audio player. | |
| Parameters | none |
| Return | . |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| <pre>sf.service.AudioPlayer.init();</pre> | |
| jumpTo | |
| Description | |
| This function moves current playing location to requested location. | |
| Parameters | <div>■requestedLocation</div> <div>- Number</div> <div>- requested location to jump</div> |
| Return | <div>■Number</div> <div>- Time to jump in milliseconds.</div> |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| | |

```
sf.service.AudioPlayer.jumpTo(sf.service.AudioPlayer.getCurrentTime()-5000);
```

next

Description

This function moves current item to next item.

| | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | none |
| Return | ■Boolean - true : Success - false : there's no next item in playlist, this function returns false regarding the repeat mode. |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
sf.service.AudioPlayer.next();
```

pause

Description

This function pauses the item.

| | |
|------------------|------------------------------------------------|
| Parameters | none |
| Return | ■Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
sf.service.AudioPlayer.pause();
```

play

Description

This function plays the item.

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | ■item - Number or Object:PlayItem - Index of playlist(0-based) or item object to play. (See "Class PlayItem" for more details about item.) |
| Return | ■Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |

Example

```
sf.service.AudioPlayer.play();
```

prev

Description

This function moves current item to previous item.

| | |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | none |
| Return | ■ Boolean - true : Success - false : there's no previous item in playlist, this function returns false regarding the repeat mode. |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.prev(); | |

resume

Description

This function resumes the item.

| | |
|----------------------------------|--------------------------------------------------------|
| Parameters | none |
| Return | ■ Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.resume(); | |

setControllerArea

Description

This function sets coordinate of controller area.

| | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | ■ rect - Object - Rectangle area of controller containing below properties. * left - (Number) Left position with pixel. * top - (Number) Top position with pixel. * width - (Number) Width with pixel. * height - (Number) Height with pixel. |
| Return | ■ Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.setControllerArea(ctrlarea); | |

setPlayList

Description

This function sets audio lists for playing.

| | |
|------------|-------------------------------------------------------------------------|
| Parameters | ■ aPlayList - Object array - Array for object of play list |
|------------|-------------------------------------------------------------------------|

| | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Return | ■ Boolean <ul style="list-style-type: none"> - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.setPlayList(aPlayList); | |

setRepeatMode

Description

This function sets repeat mode.

| | |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | ■ repeatMode <ul style="list-style-type: none"> - Repeat mode - state can be one of: <ul style="list-style-type: none"> * sf.service.AudioPlayer.REPEAT_NO * sf.service.AudioPlayer.REPEAT_ALL * sf.service.AudioPlayer.REPEAT_CURRENT |
| Return | ■ Boolean <ul style="list-style-type: none"> - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.setRepeatMode(this.repeatModes[this.iRepeatMode]); | |

setShuffleMode

Description

This function sets shuffle mode.

| | |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameters | ■ shuffleMode <ul style="list-style-type: none"> - Shuffle mode - state can be one of: <ul style="list-style-type: none"> * sf.service.AudioPlayer.SHUFFLE_DISABLE * sf.service.AudioPlayer.SHUFFLE_ENABLE |
| Return | ■ Boolean <ul style="list-style-type: none"> - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.setShuffleMode(this.shuffleModes[this.iShuffleMode]); | |

setZIndex

Description

This function sets Zindex of controller.

| | |
|------------|--------------------------------------------------------------------------------------------------------|
| Parameters | ■ zindex <ul style="list-style-type: none"> - Number - zindex to be set |
| Return | ■ Void |

| | |
|-------------------------------------------|------------------------------------------------|
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.setZIndex(100); | |
| showController | |
| Description | |
| This function shows controller. | |
| Parameters | none |
| Return | ■Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.showController(); | |
| stop | |
| Description | |
| This function stops playing current item. | |
| Parameters | none |
| Return | ■Boolean - true : Success - false : Fail |
| Emulator Support | N |
| SDK Constraint | None |
| Example | |
| sf.service.AudioPlayer.stop(); | |