OnStream MediaPlayer+ Player API Upgrade

An Application Guide for All Platforms

SDK Version 3.11

VisualOn, Inc.

http://www.visualon.com

Mar, 2014

Version 1.15



Copyright/Confidentiality Notice

© 2014 VisualOn, Inc. All rights reserved.

VisualOn, Inc., 4675 Stevens Creek Blvd, Santa Clara, CA 95051, USA

VisualOn Trademarks

Trademarks and service marks of VisualOn, Inc. (VisualOn) contained in this document are attributed to VisualOn with the appropriate symbol. For queries regarding VisualOn's trademarks, contact the corporate legal department at the address above or call 408.244.8801.

VisualOn® OnStream®

All other trademarks are the property of their respective holders.

Confidentiality Notice

No part of this publication may be reproduced in whole or in part by any means (including photocopying or storage in an information storage/retrieval system) or transmitted in any form or by any means without prior written permission from VisualOn, Inc. (VisualOn).

Information in this document is subject to change without notice and does not represent a commitment on the part of VisualOn. The information contained herein is the proprietary and confidential information of VisualOn or its licensors, and is supplied subject to, and may be used only by VisualOn's customer in accordance with, a written agreement between VisualOn and its customer. Except as may be explicitly set forth in such agreement, VisualOn does not make, and expressly disclaims, any representations or warranties as to the completeness, accuracy or usefulness of the information contained in this document. VisualOn does not warrant that use of such information will not infringe any third party rights, nor does VisualOn assume any liability for damages or costs of any kind that may result from use of such information.

RESTRICTED RIGHTS LEGEND Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

UNPUBLISHED This document contains unpublished confidential information and is not to be disclosed or used except as authorized by written contract with VisualOn. Rights reserved under the copyright laws of the United States.



- 1 Added functions for iOS:
 - enableAudioDecoderLibrary
 - setPreferredAudioLanguage
 - setPreferredSubtitleLanguage
 - setInitialBufferingTime
 - setInitialBufferTime
 - setMaxBufferingTime
 - setMaxBufferTime
- 2 Added functions for Android:
 - enableAudioDecoderLibrary
 - setPreferredAudioLanguage
 - setPreferredSubtitleLanguage
 - setInitialBufferingTime
 - setInitialBufferTime
 - set Max Buffering Time
 - setMaxBufferTime
 - resume
- 3 Added functions for Plugin:
 - enableAudioDecoderLibrary
 - setRenderType
- 4 Deprecated followings for Android and iOS, they will be removed in the future:
 - setDefaultAudioLanguage
 - setDefaultSubtitleLanguage
 - VO_OSMP_SRC_CB_ADAPTIVE_STREAM_WARNING
 - VO_OSMP_CB_SRC_BUFFER_TIME
- 5 Added event IDs:
 - VO_OSMP_CB_SRC_BUFFERING_TIME
 - VO_OSMP_SRC_CB_ADAPTIVE_STREAMING_WARNING
 - **VO OSMP SRC FFSTREAMING PUSHPD**
 - VO_OSMP_CB_OUTPUT_CONTROL_CAPTURE_SOFTWARE_RUNNING
- 6 Changed return value for Plugin API. getPlayingAsset.Returned JSON content changed.



1 Added functions for iOS:

notifyViewSizeChanged setDefaultAudioLanguage setDefaultSubtitleLanguage

2 Added event IDs:

VO_OSMP_CB_OUTPUT_CONTROL_BLOCK_PLAYBACK
VO_OSMP_CB_OUTPUT_CONTROL_BLOCK_OUTPUT
VO_OSMP_CB_OUTPUT_CONTROL_DOWNGRADE_RESOLUTION
VO_OSMP_OUTPUT_CONTROL_TYPE
VO_OSMP_CB_CODEC_NOT_SUPPORT

- 3 Updated comments for setZoomMode and setDisplayArea.
- 4 Added setDRMVerificationInfo, setDRMUniqueIdentifier, setDRMLibrary, getDuration, and deleteContent.



- 1 Added two keys for getAudioProperty API, "bitrate" and "channelcount"
- 2 Added error codes:

VO_OSMP_HTTP_CONNECT_FAILED
VO_OSMP_HTTP_INVALID_RESPONSE
VO_OSMP_HTTP_CLIENT_ERROR
VO_OSMP_HTTP_SERVER_ERROR

- Added APIs playbackDuration, registerEventHandler, setOnEventHandler, getTotalCodecDropNum, getTotalDocodedNum, getTotalRenderDropNum, getTotalRenderedNum, and getTotalSourceDropNum
- 4 Added APIs getRootURL and getURL.
- 5 Added API of **setHTTPRetryTimeout**
- 6 Added types rootURL/URL/startTime/duration/timeScale into VOOSMPChunkInfo
- Added events of VO_OSMP_ERR_MULTIPLE_INSTANCES_NOT_SUPPORTED, VO_OSMP_CB_AUDIO_RENDER_FAIL, and VO_OSMP_MODULE_TYPE_DRM_VENDOR_A
- 8 Added **setSubtitleTypeface** (Typeface type)



- 1 Added new method enableCPUAdaptation.
- Cleaned up API categorizations for iOS:
 - Moved followings to VOCommonPlayerStatus: getPlayerType, getPlayerStatus, canBePaused, isLiveStreaming, getPosition, getMinPosition, getMaxPosition, getDuration, getScreenBrightness, getDRMUniqueIndentifier, getDRMUniqueIdentifier, getVersion, and getSEIInfo
 - Moved followings to VOCommonPlayerAnalytics:
 enableAnalytics, startAnalyticsNotification, stopAnalyticsNotification, getAnalytics, getVideoDecodingBitrate, and getAudioDecodingBitrate



- For Android/API3, the arguments of setDRMAdapter() were changed. If you are using this API, you have to modify your code. Except for this particular case, others API changes were additions only and do not require changes to code.
- From V3.7.2, there is a clear distinction between what is selected and what is playing. Please check getCurrentSelection() and getPlayingAsset().
- From 3.7.10, plugin, the function open added two more parameters. VO_OSMP_SRC_FORMAT sourceType, VOOSMPOpenParam* openParam. New added functions: getVideoDecodingBitrate, getAudioDecodingBitrate, getDRMUniqueIdentifier, setDRMUniqueIdentifier.
- 4 From V3.7.11, there are several functions changed return value. It can provide better debugging information.



API2: license check changed as below.

setParam(VOOSMP_PID_LICENSE_TEXT) is a must for formal licenses (it can be omitted on Android before). The general API call sequence for license check is:

- a. init()
- b. setParam(VOOSMP_PID_LICENSE_FILE_PATH, "Path here") or setParam(VOOSMP_PID_LICENSE_CONTENT, content)
- c. setParam(VOOSMP PID LICENSE TEXT, "License key here")
- d. open()

API3: see guidelines below.

- Type of parameter 1 of VOSyncEvent() was changed from VO_OSMP_CB_EVENT_ID to VO_OSMP_CB_SYNC_EVENT_ID. You must change the type in your code, otherwise you will get a compilation error.
- VOCommonPlayerControl.open() and VOCommonPlayerControl.init() were overloaded. Use the new one, i.e.
 VO_OSMP_RETURN_CODE open(String url, VO_OSMP_SRC_FLAG flag, VO_OSMP_SRC_FORMAT type, VOOSMPOpenParam openParam);
 VO_OSMP_RETURN_CODE init(VO_OSMP_PLAYER_ENGINE playEngineType, VOOSMPInitParam initParam);
- If you are using event ID VO_OSMP_SRC_CB_DRM_VERIFICATION, rename it to VO_OSMP_SRC_CB_SYNC_AUTHENTICATION_DRM_SERVER_INFO (It was actually moved from enum VO_OSMP_CB_EVENT_ID to VO_OSMP_CB_SYNC_EVENT_ID).
- setPreAgreedLicense() is a must for formal licenses (it can be omitted on Android before). The general API call sequence for license check is:
 - a. init()
 - b. setLicenseFilePath() or setLicenseContent()
 - c. setPreAgreedLicense("License key here")
 - d. open()
- 5 Known issues:

Event VO_OSMP_SRC_CB_SYNC_IO_HTTP_DOWNLOAD_FAIL is not correct (with wrong Object type); Implementation of enablePCMOutput() is not complete



Category	Ver	add	function	Android,iOS	Name	Description
API3	V3.11.0	deprecated	Event ID	Android,iOS	VO_OSMP_CB_SRC_BUFFER_TIME	replaced with VO_OSMP_CB_SRC_BUFFERING_TIME
API3	V3.11.0	add	Event ID	Android,iOS	VO_OSMP_CB_SRC_BUFFERING_TIME	
API3	V3.11.0	deprecated	Event ID	Android,iOS	VO_OSMP_SRC_CB_ADAPTIVE_STREAM_W ARNING	replaced with VO_OSMP_SRC_CB_ADAPTIVE_STREAMING_WARNING
API3	V3.11.0	add	Event ID	Android,iOS	VO_OSMP_SRC_CB_ADAPTIVE_STREAMING WARNING	
API3	V3.11.0	add	Event ID	all	VO_OSMP_CB_OUTPUT_CONTROL_CAPTU RE_SOFTWARE_RUNNING	
API3	V3.11.0	add	function	all	enableAudioDecoderLibrary	
API3	V3.11.0	add	function	Android	resume	
API3	V3.11.0	deprecated	function	Android,iOS	setDefaultAudioLanguage	replaced with setPreferredAudioLanguage
API3	V3.11.0	deprecated	function	Android,iOS	setDefaultSubtitleLanguage	replaced with setPreferredSubtitleLanguage
API3	V3.11.0	add	function	Android,iOS	setPreferredAudioLanguage	
API3	V3.11.0	add	function	Android,iOS	setPreferredSubtitleLanguage	
API3	V3.11.0	add	Event ID	Android,iOS	VO_OSMP_SRC_FFSTREAMING_PUSHPD	
API3	V3.11.0	add	function	Android,iOS	setInitialBufferingTime	
API3	V3.11.0	add	function	Android,iOS	setInitialBufferTime	
API3	V3.11.0	add	function	Android,iOS	setMaxBufferingTime	
API3	V3.11.0	add	function	Android,iOS	setMaxBufferTime	
API3	V3.11.0	change	function	Plugin	getPlayingAsset	return value JSON object content changed
API3	V3.11.0	add	function	Plugin	setRenderType	
API3	V3.10.0	add	Event ID	all	VO_OSMP_CB_CODEC_NOT_SUPPORT	



Category	Ver	add	function	Android,iOS	Name	Description
API3	V3.10.0	add	Event ID	Android,iOS	VO_OSMP_CB_OUTPUT_CONTROL_BLOCK_ OUTPUT	
API3	V3.10.0	add	Event ID	Android,iOS	VO_OSMP_CB_OUTPUT_CONTROL_BLOCK_ PLAYBACK	
API3	V3.10.0	add	Event ID	Android,iOS	VO_OSMP_CB_OUTPUT_CONTROL_DOWN GRADE_RESOLUTION	
API3	V3.10.0	add	Event ID	Android,iOS	VO_OSMP_OUTPUT_CONTROL_TYPE	
API3	V3.10.0	add	function	all	setDefaultAudioLanguage	
API3	V3.10.0	add	function	all	setDefaultSubtitleLanguage	
API3	V3.10.0	add	function	Android,iOS	deleteContent	
API3	V3.10.0	add	function	Android,iOS	getDuration	
API3	V3.10.0	add	function	Android,iOS	setDRMLibrary	
API3	V3.10.0	add	function	Android,iOS	setDRMUniqueldentifier	
API3	V3.10.0	add	function	Android,iOS	setDRMVerificationInfo	
API3	V3.10.0	add	function	iOS	notifyViewSizeChanged	
API3	V3.10.0	change	function	iOS	set Display Area	only change on comment.
API3	V3.10.0	change	function	iOS	setZoomMode	only change on comment.
API3	V3.9.3	add	add	all	VO_OSMP_ERR_MULTIPLE_INSTANCES_NO T_SUPPORTED	new return code
API3	V3.9.3	add	data	Plugin	VOOSMPChunkInfo	add type/rootURL/URL/startTime/duration/timeScale
API3	V3.9.3	add	Event ID	all	VO_OSMP_MODULE_TYPE_DRM_VENDOR_ A	
API3	V3.9.3	add	Event ID	Android,iOS	VO_OSMP_CB_AUDIO_RENDER_FAIL	
API3	V3.9.3	add	function	all	getPlayebackDuration	
API3		change	function	all	getRootURL	
API3	V3.9.3	add	function	all	getTotalCodecDropNum	
API3	V3.9.3	add	function	all	getTotalDocodedNum	
API3	V3.9.3	add	function	all	getTotalRenderDropNum	



Category	Ver	add	function	Android,iOS	Name	Description
API3	V3.9.3	add	function	all	getTotalRenderedNum	
API3	V3.9.3	add	function	all	getTotalSourceDropNum	
API3	V3.9.3	change	function	all	getURL	
API3	V3.9.3	add	function	all	setHTTPRetryTimeout	
API3	V3.9.3	add	function	Android	setSubtitleTypeface	
API3	V3.9.3	add	function	Android, iOS	previewSubtitle	
API3	V3.9.3	change	function	Android, iOS	startAnalyticsNotification	Removed to PlayerControl
API3	V3.9.3	change	function	Android, iOS	stopAnalyticsNotification	Removed to PlayerControl
API3	V3.9.3	change	function	Plugin	playbackDuration	
API3	V3.9.3	change	function	Plugin	registerEventHandler	
API3	V3.9.3	change	function	Plugin	setOnEventHandler	
API3	V3.9.0	add	function	all	enableRTSPOverHTTP	
API3	V3.9.0	add	function	all	getRTSPStatistics	
API3	V3.9.0	add	function	all	setRTSPOverHTTPConnectionPort	
API3	V3.9.0	add	function	all	setSegmentDownloadRetryCount	
API3	V3.9.0	add	function	Android	setSurfaceHolder	
API3	V3.8.3	add	function	all	enableCPUAdaptation	default is Enabled.
API3	V3.7.11	change	function	Android	getmProxyHost	returns String
API3	V3.7.11	change	function	Android	getmProxyPort	returns int
API3	V3.7.11	change	function	Android	setDataFlag	returns VO_OSMP_RETURN_CODE
API3	V3.7.11	change	function	Android	setmProxyHost	returns VO_OSMP_RETURN_CODE
API3	V3.7.11	change	function	Android	setmProxyPort	returns VO_OSMP_RETURN_CODE
API3	V3.7.11	change	function	Android	setResponseString	returns VO_OSMP_RETURN_CODE
API3	V3.7.11	change	function	Android	setVerificationString	returns VO_OSMP_RETURN_CODE
API3	V3.7.10	add	function	all	getAudioDecodingBitrate	
API3	V3.7.10	add	function	all	getDRMUniqueIdentifier	
API3	V3.7.10	add	function	all	getVideoDecodingBitrate	
API3	V3.7.10	add	function	all	setDRMUniqueIdentifier	



Category	Ver	add	function	Android,iOS	Name	Description
API3	V3.7.10	change	function	Plugin	open	new added with parameters VO_OSMP_SRC_FORMAT sourceType, VOOSMPOpenParam* openParam. They are null by default.
API3	V3.7.7	add	Event ID	Android	VO_OSMP_AD_CB_PLAYBACKINFO	
API3	V3.7.7	add	function	all	enableLiveStreamingDVRPosition	The function will extend usage of getPosition, getMinPosition, getMaxPosition
API3	V3.7.6	add	Event ID	iOS	VO_OSMP_SRC_CB_PD_BUFFERING_PERCE NT	
API3	V3.7.6	add	Event ID	iOS	VO_OSMP_SRC_CB_PD_DOWNLOAD_POSIT ION	
API3	V3.7.6	add	function	Android	addTrackingServer	
API3	V3.7.6	add	function	Android	enableFullScreen	
API3	V3.7.6	add	function	Android, iOS	enableSEI	
API3	V3.7.6	add	function	Android, iOS	getSEIInfo	
API3	V3.7.6	add	function	Android, iOS	startSEINotification	
API3	V3.7.6	add	function	Android, iOS	stopSEINotification	
API3	V3.7.6	add	function	iOS	captureVideoImage	
API3	V3.7.5	add	function	Android	setAdTrackingAPI	
API3	V3.7.5	add	function	Plugin	getDRMUniqueIndentifier	
API3	V3.7.5	add	function	Plugin	showCursor	
API3	V3.7.4	add	constant	Android, iOS	VO OSMP SEI INFO FLAG	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_AD_END	
API3	V3.7.4	add	Event ID	Android	VO OSMP AD CB AD LOAD ERROR	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_AD_START	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_CONTENT_END	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_CONTENT_START	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_DATA_LOAD_ERROR	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_NO_AD_CONTENT	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_PLAYLIST_END	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_PLAYLIST_START	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_STATE_CHANGE	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_VIDEO_DONE	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_VIDEO_GEO_BLOCKED	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_VIDEO_NOT_AVAILABLE	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_CB_VIDEO_PROGRESS	
API3	V3.7.4	add	Event ID	Android	VO_OSMP_AD_STATUS	
API3	V3.7.4	add	Event ID	Android, iOS	VO OSMP CB SEI INFO	



Category	Ver	add	function	Android,iOS	Name	Description
API3	V3.7.4	add	Fuent ID	Diverse	VO_OSMP_SRC_CB_SYNC_AUTHENTICATIO	
API3	V3.7.4	add	Event ID	Plugin	N_DRM_SERVER_INFO	
API3	V3.7.4	4	Event ID	Dlugin	VO_OSMP_SRC_CB_SYNC_IO_HTTP_DOWN	
APIS	V3.7.4	add	Eventio	Plugin	LOAD_FAIL	
API3	V3.7.4	add	Event ID	Plugin	VO_OSMP_SRC_CB_SYNC_IO_HTTP_START	
			Eventio		_DOWNLOAD	
API3	V3.7.4	add	function	Android	getVideoAdClickThru	
API3	V3.7.4	add	function	Android	loadAdCall	
API3	V3.7.4	add	function	Android	loadVideoByUrl	
API3	V3.7.4	add	function	Android, iOS	enableSEI	
API3	V3.7.4	add	function	Android, iOS	getSEIInfo	
API3	V3.7.4	add	function	Android, iOS	startSEINotification	
API3	V3.7.4	add	function	Android, iOS	stopSEINotification	
API3	V3.7.3	add	function	Android	loadVideoById	
API3	V3.7.2	add	constant	all	VO_OSMP_RATIO_AUTO	
API3	V3.7.2	add	constant	all	VO_OSMP_RATIO_ORIGINAL	
API3	V3.7.2	rename	constant	Android, Plugin	INDEX_VIDEO_AUTO	Rename to VO_OSMP_ASSET_AUTO_SELECTED
API3	V3.7.2	add	constant	Android, Plugin	VO_OSMP_ASSET_NOT_SELECTED	
API3	V3.7.2	add	Event ID	all	VO_OSMP_SRC_CB_NOT_APPLICABLE_MED	
API3		change	function	all	getPlayingAsset	Return the actual indices of video/audio/subtitle tracks which are being played. 1. If a track is being played, its index is returned through VOOSMPAssetIndex. 2. If no track of a specific type (mostly likely subtitle) is being played, then the corresponding index in VOOSMPAssetIndex is set to VOOSMP ASSET NOT SELECTED.
API3	V3.7.2	add	function	all	setAnewBufferingTime	
API3	V3.7.2	add	function	Android, Plugin	getCurrentSelection	
API3	V3.7	add	Event ID	Plugin	VO_OSMP_CB_FULLSCREEN_INDICATOR	
API3	V3.7	add	function	all	Configuration::setPresentationDelay	
			£	A construct to		Argument changed: from setDRMAdapter(int adapter) to
API3	V3.7	change	function	Android	Iseti)RMAdanter	setDRMAdapter(Object adapter, boolean isLibraryName)
API3	V3.7	add	function	Android, iOS	Configuration::getVersion	For plugin, use .version property of plug in object instead
API3	V3.7	add	function	iOS	getCurrentSelection	
API3	V3.7	add	function	Plugin	isFullScreen	



Category V	Ver	add	function	Android,iOS	Name	Description
API3 V	V3.7	add	function	Plugin	toggleOverlayUI	
API3 V	V3.6	add	Error Code	all	VO_OSMP_ERR_LICENSE_FAIL	
API3 V	V3.6	add	Event ID	all	VO_OSMP_CB_LICENSE_FAIL	
API3 V	V3.6	add	Event ID	all	VO_OSMP_CB_PCM_OUTPUT	
API3 V	V3.6	rename	Event ID	all	VO_OSMP_SRC_CB_DRM_VERIFICATION	to VO_OSMP_SRC_CB_SYNC_AUTHENTICATION_DRM_SERVER_INFO
API3 V	V3.6	add	function	all	Configuration: setAudioPlaybackSpeed	
API3 V	V3.6	change	function	all	onVOSyncEvent	type of argument 1: from VO_OSMP_CB_EVENT_ID to VO_OSMP_CB_SYNC_EVENT_ID
API3 V	V3.6	add	function	Android	OpenParam: getDecoderType	
API3 V	V3.6	add	function	Android	OpenParam: setDecoderType	
API3 V	V3.6	add	function	Android, iOS	Buffer: getBuffer	
API3 V	V3.6	add	function	Android, iOS	Buffer: getBufferSize	
API3 V	V3.6	add	function	Android, iOS	Buffer: getTimestamp	
API3 V	V3.6	add	function	Android, iOS	Configuration: enablePCMOutput	
API3 V	V3.6	add	function	Android, iOS	Configuration: setDRMAdapter	
API3 V	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getReason	
API3 V	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getResponse	
API3 V	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getURL	
	V3.6	add	function	Plugin	Control: setOnEventHandler	
API3 V	V3.6	add	function	Plugin	RTSPConfiguration: getRTSPStatistics	
API3 V	V3.6	add	function	Plugin	RTSPConfiguration: setRTSPConnectionPort	
API3 V	V3.6	add	function	Plugin	RTSPConfiguration: setRTSPConnectionType	
API3 V	V3.5	overload	function	all	Control:init	
API3 V	V3.5	overload	function	all	Control:open	
API3 V	V3.5	add	function	all	onVOSyncEvent	
API2 V	V3.10.0	add	Param ID	Android, iOS	VOOSMP_PID_OUTPUT_CONTROL_ACTIVE	
API2 V	V3.10.0	add	Param ID	Android, iOS	VOOSMP_PID_OUTPUT_CONTROL_ENFORC	
API2 V	V3.7.4	add	Event ID	Android	VOOSMP PID SUBTITLE TIME OFFSET	
		add	constant	Android, iOS	VOOSMP RATIO 2331	API3 already has it
		add	constant	Android, iOS	VOOSMP RATIO AUTO	,
	V3.7.2	add	constant	Android, iOS	VOOSMP_RATIO_ORIGINAL	
	V3.7.2	add	Event ID	Android, iOS	VOOSMP_SRC_CB_Not_Applicable_Media	
API2 V	V3.7	add	Event ID	Android, iOS	VOOSMP SRC CB DRM Init Data	
	V3.7	add	Event ID	Plugin	VOOSMP CB FullScreen	



Category	Ver	add	function	Android,iOS	Name	Description
API2	V3.7	add	Param ID	Android, iOS	VOOSMP_PID_DRM_UNIQUE_IDENTIFIER	
API2	V3.7	add	Param ID	Android, iOS	VOOSMP_PID_MODULE_VERSION	
API2	V3.7	add	Param ID	Android, iOS	VOOSMP_SRC_PID_PRESENTATION_DELAY	
API2	V3.6	add	Error Code	all	VOOSMP_ERR_LicenseFailed	
API2	V3.6	add	Event ID	all	ID_STREAMING_VOLIBLICENSEERROR	
API2	V3.6	add	Event ID	all	VOOSMP_CB_LicenseFailed	
API2	V3.6	add	Param ID	all	VOOSMP_PID_AUDIO_PLAYBACK_SPEED	
API2	V3.6	define	Param ID	all	VOOSMP_PID_MODULE_VERSION	
API2	V3.6	add	Param ID	all	VOOSMP_SRC_PID_DRM_ADAPTER_OBJEC T	

API Change History



Action Description

add type/constant/function added remove type/constant/function removed change argument changed in a function

rename function renamed; constant renamed or moved from one enum to another

define defined, but not really used or not implemented

overload added function with same name but different arguments

deprecated not recommended, will be remvoed in the future.