## OnStream MediaPlayer+ Player API Upgrade

An Application Guide for All Platforms
SDK Version 3.13

VisualOn, Inc.

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1 Added five functions for all platform:

enableHTTPGzipRequest getProcessorType getErrorCode getValidBufferDuration getDownloadStatus

2 Added two functions for Android:

enableSEIPostProcessVideo setVolume

3 Deprecated function for iOS and Plugin, to sync up with Android:

enableDolbyLibrary
replaced with enableAudioDecoderLibrary

4 Deprecated Events for API2:

VO\_OSMP\_SRC\_CB\_SYNC\_AUTHENTICATION\_DRM\_SERVER\_INFO VO\_OSMP\_SRC\_CB\_SYNC\_IO\_HTTP\_START\_DOWNLOAD VO\_OSMP\_SRC\_CB\_SYNC\_IO\_HTTP\_DOWNLOAD\_FAIL VO\_OSMP\_CB\_OUTPUT\_CONTROL\_DOWNGRADE\_RESOLUTION VOOSMP\_CB\_Downgrade\_Resolution VOOSMP\_PID\_SUBTITLE\_DISPALY VOOSMP\_PID\_MEDIACODEC\_AUDIO\_DECODER

5 Added Events for API2 as replacements:

VOOSMP\_AUDIO\_DECODER\_TYPE\_IOMX
VOOSMP\_PID\_AUDIO\_DECODER\_TYPE
VO\_OSMP\_DEC\_AUDIO\_IOMX
VOOSMP\_PID\_SUBTITLE\_DISPLAY
VOOSMP\_CB\_Output\_Control\_Change\_Resolution
VO\_OSMP\_CB\_OUTPUT\_CONTROL\_CHANGE\_RESOLUTION
VO\_OSMP\_SRC\_CB\_IO\_HTTP\_START\_DOWNLOAD
VO\_OSMP\_SRC\_CB\_IO\_HTTP\_DOWNLOAD\_FAIL



Added four functions for all platform: setUTCPosition getUTCPosition setRTSPMaxSocketErrorCount

setRTSPConnectionTimeout

- 2 Added two functions for Android and iOS: enableAnalyticsDisplay setAnalyticsDisplayType
- Added two functions for Android: getSeriesTitle enableVOAdaptivePlayback
- 4 Changed parameters for: init open
- 5 Deleted functions for iOS: getDRMUniqueIndentifier setDRMUniqueIndentifier
- Deleted functions for Android:

  getDRMUniqueIndentifier

  setDRMUniqueIndentifier

  getFileSize

  setFileSize



Added two functions for output control isOutputControlActive and isOutputControlEnforce



- 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
  - ${\tt VO\_OSMP\_SRC\_FFSTREAMING\_PUSHPD}$
  - 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	Action	Туре	Platform	Name	Description
API3	V3.13.0	add	function	all	getValidBufferDuration	
API3	V3.13.0	add	function	all	getDownloadStatus	
API3	V3.13.0	add	function	Android	enableSEIPostProcessVideo	
API3	V3.13.0	add	function	all	enableHTTPGzipRequest	
API3	V3.13.0	add	function	Android	setVolume	
API3	V3.13.0	add	function	all	getProcessorType	
API3	V3.13.0	add	function	all	getErrorCode	
API3	V3.13.0	deprecated	function	iOS, Plugin	enableDolbyLibrary	sync up with Android: Replaced by enableAudioDecoderLibrary
					VO_OSMP_SRC_CB_IO_HTTP_START_DOW	
ADIO	V2 12 0	add	Fuent ID	all	NLOAD	
API3	V3.13.0	auu	Event ID	all	VO_OSMP_SRC_CB_IO_HTTP_DOWNLOAD	
					FAIL	
					VO_OSMP_SRC_CB_SYNC_AUTHENTICATIO	
					N_DRM_SERVER_INFO	
ADIO	V2 12 0	donrocated	Fuent ID	all	VO_OSMP_SRC_CB_SYNC_IO_HTTP_START	replaced with above new added events
API3	V3.13.0	deprecated	Event ID	all	_DOWNLOAD	replaced with above new added events
					VO_OSMP_SRC_CB_SYNC_IO_HTTP_DOWN	
					LOAD FAII	
API2	V3.13.0	.0 add	Event ID	all	VO_OSMP_CB_OUTPUT_CONTROL_CHANG	
APIZ	V3.13.U				E_RESOLUTION	
API2	V3.13.0	donrocated	Event ID	all	VO_OSMP_CB_OUTPUT_CONTROL_DOWN	replaced with above new added event
APIZ	V3.13.U	deprecated	Eventib		GRADE_RESOLUTION	replaced with above new added event
API2	V3.13.0	add	Fuent ID	A dune: d : O.C	VOOSMP_CB_Output_Control_Change_Res	
APIZ	V3.13.U	auu	Event ID	Android,iOS	olution	
API2	V3.13.0	deprecated	Event ID	Android,iOS	VOOSMP_CB_Downgrade_Resolution	replaced with above new added event
API2	V3.13.0	add	Event ID	Android	VO_OSMP_DEC_AUDIO_IOMX	
API2	V3.13.0	add	Event ID	iOS	VOOSMP_PID_SUBTITLE_DISPLAY	
API2		deprecated	Event ID	iOS	VOOSMP_PID_SUBTITLE_DISPALY	replaced with VOOSMP_PID_SUBTITLE_DISPLAY
API2	V3.13.0	add	Event ID	Android	VOOSMP_AUDIO_DECODER_TYPE_IOMX	
API2	V3.13.0	add	Event ID	Android	VOOSMP_PID_AUDIO_DECODER_TYPE	
API2	V3.13.0	deprecated	Event ID	Android	VOOSMP_PID_MEDIACODEC_AUDIO_DEC	replaced by VOOSMP_PID_AUDIO_DECODER_TYPE
APIZ		deprecated	Eventid	Allulolu	ODER	Teplaced by VOOSIVIP_PID_AODIO_DECODER_TTPE
API3		add	function	all	setUTCPosition	
API3	V3.12.0	add	function	all	getUTCPosition	
API3		add	function	Android	enableVOAdaptivePlayback	
API3	V3.12.0	add	function	all	setRTSPMaxSocketErrorCount	
API3	V3.12.0	add	function	all	setRTSPConnectionTimeout	
API3	V3.12.0	add	function	Android	getSeriesTitle	
API3	V3.12.0	add	function	Android,iOS	enableAnalyticsDisplay	



Category	Ver	Action	Туре	Platform	Name	Description
API3	V3.12.0	add	function	Android,iOS	setAnalyticsDisplayType	
API3	V3.12.0	change	function	all	init	
API3	V3.12.0	change	function	all	open	
API3	V3.12.0	delete	function	Android,iOS	getDRMUniqueIndentifier	
API3	V3.12.0	delete	function	Android,iOS	setDRMUniqueIndentifier	
API3	V3.12.0	delete	function	Android	getFileSize	
API3	V3.12.0	delete	function	Android	setFileSize	
API3	V3.11.10	add	function	all	isOutputControlActive	
API3	V3.11.10	add	function	all	isOutputControlEnforce	
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_STREAMIN G 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	deprecated	function	Android,iOS	setInitialBufferTime	
API3	V3.11.0	add	function	Android,iOS	setMaxBufferingTime	
API3	V3.11.0	deprecated	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	
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	



Category	Ver	Action	Туре	Platform	Name	Description
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	setDisplayArea	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	V3.9.3	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	
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.



Category	Ver	Action	Туре	Platform	Name	Description
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	setDRMUniqueldentifier	
						new added with parameters VO_OSMP_SRC_FORMAT sourceType,
API3	V3.7.10	change	function	Plugin	open	VOOSMPOpenParam* openParam. They are null by default.
4.012	\(\alpha\)		5		VO COMP AD OD DI AVDACIZINEO	Toosim open aram open aram mey are namely actual.
API3	V3.7.7	add	Event ID	Android	VO_OSMP_AD_CB_PLAYBACKINFO	The five stice will extend use a freshbeitier as the ship best to
API3	V3.7.7	add	function	all	and the live Other and a DVDD and the	The function will extend usage of getPosition, getMinPosition,
					enableLiveStreamingDVRPosition	getMaxPosition
API3	V3.7.6	add	Event ID	iOS	VO_OSMP_SRC_CB_PD_BUFFERING_PERCE	
					NT VO_OSMP_SRC_CB_PD_DOWNLOAD_POSI	
API3	V3.7.6	add	Event ID	iOS	TION	
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		add	Event ID	Android	VO_OSMP_AD_CB_NO_AD_CONTENT	



Category	Ver	Action	Туре	Platform	Name	Description
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_AVAILABL E	
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	
API3	V3.7.4	add	Event ID		VO_OSMP_SRC_CB_SYNC_AUTHENTICATIO	
API3	V3.7.4	auu	Event iD	Plugin	N_DRM_SERVER_INFO	
API3	V3.7.4	1-1	Frank ID	Diverse	VO_OSMP_SRC_CB_SYNC_IO_HTTP_DOWN	
APIS	V 5.7.4	add	Event ID	Plugin	LOAD_FAIL	
API3	V3.7.4	add	Event ID	Plugin	VO_OSMP_SRC_CB_SYNC_IO_HTTP_START	
APIS	V 5.7.4	auu	Eventio	Piugiii	_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_ME DIA	



Category	Ver	Action	Туре	Platform	Name	Description
						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
API3	V3.7.2	change	function	all	getPlayingAsset	VOOSMPAssetIndex.
						2. If no track of a specific type (mostly likely subtitle) is being played,
						then the corresponding index in VOOSMPAssetIndex is set to
						VO OSMP ASSET NOT SELECTED.
API3	V3.7.2	add	function	all	setAnewBufferingTime	Some risks seekeres.
4 D12	V2 7 2	1 -1		Android,		
API3	V3.7.2	add	function	Plugin	getCurrentSelection	
API3	V3.7	add	Event ID	Plugin	VO_OSMP_CB_FULLSCREEN_INDICATOR	
API3	V3.7	add	function	all	Configuration::setPresentationDelay	
ADIO	V2.7	ah a a a	f	0l : -l	and DDMA de order	Argument changed: from setDRMAdapter(int adapter) to
API3	V3.7	change	function	Android	setDRMAdapter	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	
API3	V3.7	add	function	Plugin	toggleOverlayUI	
API3	V3.6	add	Error Code	all	VO_OSMP_ERR_LICENSE_FAIL	
API3	V3.6	add	Event ID	all	VO_OSMP_CB_LICENSE_FAIL	
API3	V3.6	add	Event ID	all	VO_OSMP_CB_PCM_OUTPUT	
API3	V3.6	rename	Event ID	all	VO_OSMP_SRC_CB_DRM_VERIFICATION	to VO_OSMP_SRC_CB_SYNC_AUTHENTICATION_DRM_SERVER_INFO
API3	V3.6	add	function	all	Configuration: setAudioPlaybackSpeed	
ADIO	V3.6				an)/OSunaFuant	type of argument 1: from VO_OSMP_CB_EVENT_ID to
API3	V 3.0	change	function	all	onVOSyncEvent	VO_OSMP_CB_SYNC_EVENT_ID
API3	V3.6	add	function	Android	OpenParam: getDecoderType	
API3	V3.6	add	function	Android	OpenParam: setDecoderType	
API3	V3.6	add	function	Android, iOS	Buffer: getBuffer	
API3	V3.6	add	function	Android, iOS	Buffer: getBufferSize	
API3	V3.6	add	function	Android, iOS	Buffer: getTimestamp	
API3	V3.6	add	function	Android, iOS	Configuration: enablePCMOutput	
API3	V3.6	add	function	Android, iOS	Configuration: setDRMAdapter	
API3	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getReason	
API3	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getResponse	
API3	V3.6	add	function	Android, iOS	HTTPDownloadFailure: getURL	
API3	V3.6	add	function	Plugin	Control: setOnEventHandler	
API3	V3.6	add	function	Plugin	RTSPConfiguration: getRTSPStatistics	
API3	V3.6	add	function	Plugin	RTSPConfiguration: setRTSPConnectionPort	



Category	Ver	Action	Туре	Platform	Name	Description
API3	V3.6	add	function	Plugin	RTSPConfiguration:	
APIS	V 5.0	auu	Tuttetion	Piugiii	setRTSPConnectionType	
API3	V3.5	overload	function	all	Control:init	
API3	V3.5	overload	function	all	Control:open	
API3	V3.5	add	function	all	onVOSyncEvent	
API2	V3.10.0	add	Param ID	Android, iOS	VOOSMP_PID_OUTPUT_CONTROL_ACTIVE	
API2	V3.10.0	add	Param ID	Android, iOS	VOOSMP_PID_OUTPUT_CONTROL_ENFOR CE	
API2	V3.7.4	add	Event ID	Android	VOOSMP_PID_SUBTITLE_TIME_OFFSET	
API2	V3.7.2	add	constant	Android, iOS	VOOSMP_RATIO_2331	API3 already has it
API2	V3.7.2	add	constant	Android, iOS	VOOSMP_RATIO_AUTO	
API2	V3.7.2	add	constant	Android, iOS	VOOSMP_RATIO_ORIGINAL	
API2	V3.7.2	add	Event ID	Android, iOS	VOOSMP_SRC_CB_Not_Applicable_Media	
API2	V3.7	add	Event ID	Android, iOS	VOOSMP SRC CB DRM Init Data	
API2	V3.7	add	Event ID	Plugin	VOOSMP_CB_FullScreen	
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	



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.