



DISCRETIX SECUREPLAYER SDK

FOR ANDROID

RELEASE NOTES

ANDR_VOP_PROB_RC_02_00_188_0411

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1 Executive Summary

This document includes the release notes information for the Discretix SecurePlayer SDK, **ANDR_VOP_PROB_RC_02_00_188_0411**

This is a release of the Discretix SecurePlayer SDK (SP-SDK) for Android.

This version includes a variety of fixes that has to do with stability, performance and security. No API changes are introduced in this version. The main change of this release:

- Bug Fixes

This release is interoperable with the Personalization server SDK release MAIN_WIN_PRES_D_01_02_69 and with MAIN_WIN_PRES_RC_02_00_01_0000

NOTE! There are two types of releases available:

General:

General purpose release and it must not be used for final product. It is meant for demonstrating product capabilities and for initial integration only.

This SDK incorporates common secrets and uses test certificates & keys.

Customer Specific (With Specific prefix):

This is a release incorporates the Customer specific secrets and keys.

1.1 Reference Operating System

This package supported on the following operating system:

Referenced OS

OS	Version
Android	2.3.x Gingerbread
	3.0.x Honeycomb
	4.0.x Ice Cream Sandwich
	4.1.x, 4.2.x, 4.3.x Jellybean

1.2 Related Documents

Reference	Document
[SPAndroidAPI]	SecurePlayer SDK - Android API Reference

2 Release Content

This section details all components which are part of the current release, list the new features known and resolved bugs and open issues.

2.1 Release Package Components

The following table lists the components which are included in the current release package and their locations.

Table 1: Release Package SecurePlayer SDK Components

Component	Remarks
Root Folder	
<i>SecurePlayerReleaseNotes_</i>	This document
***_ ANDR_VOP_PROB_RC_02_00_188_0411*.zip	SecurePlayer Client SDK Software *** this marks the release type, either general or customer specific
SecurePlayer Client SDK Software	
version.name	Text file containing version name
SecurePlayerSDK/	Client SDK Builds and Components
libs/	SecurePlayer SDK libraries
DxDrmDlc.jar	DRM SDK java library
voOS*.jar	Player SDK java libraries
assets.jar	Required by the SDK
armeabi	
libDxDrmDlcCore.so	DRM SDK native library
libvo*.so	Player SDK native libraries
libs_Debug/	Debug libraries to get debug logs
DxDrmDlc.jar	DRM SDK java library
voOS*.jar	Player SDK java libraries
assets.jar	Required by the SDK
armeabi	
libDxDrmDlcCore.so	DRM SDK native library
libvo*.so	Player SDK native libraries
DxApiDemos/	SecurePlayer SDK reference code
DxApiDemosProj/	DxApiDemos source code & Project
SecurePlayer Client SDK Documentation	
SecurePlayerSDK Common Integration Guide.pdf	Describes how to use the DRM API (common for all platforms)

SecurePlayerSDK Android Integration Guide.pdf	Describes how to use the DRM API on Android
VisualOn Player SDK Integration Guide for Android.pdf	Describes how to use the playback API of the SecurePlayer SDK on Android
SecurePlayerSDK Android Project Setup.pdf	Describes how to install and use the SecurePlayer SDK
SecurePlayer SDK Android Migration Guide.pdf	Describes how to port an application from legacy version of the SecurePlayer SDK
SecurePlayerSDK Android API Reference.zip	API reference document in the Javadoc format

2.2 SecurePlayer SDK Personalization Table Entry

The following is the information that should be provided in the Personalization server to ensure proper integration of the SecurePlayerSDK.

Table 2: SecurePlayer Table Entry (SPV)

Entry parameter	Entry value
DRM Core Version	DRM Core version as supplied in <i>version_name.txt</i>
Platform name	android
Platform version	Value supplied by the Android native call: <i>Build.VERSION.SDK</i>
Code Hash	Use the <i>DxCodeHashGenerator</i> tool for calculating the version HASH
Secret Personalization Key (specific to each customer)	<i>CustomerName version secret – Provided with customer specific version</i> <i>General version secret –</i> <i>04040404040404040404040404040404</i>

2.3 New Features/Changes in this Release

Table 3: SDK New Features/Changes

No.	Feature #	Description	Significant change in operation or interfaces
1	Download manager	HLS download manager for downloading HLS streams for local playback – BETA	BETA VERSION
2	VO player	DX_V3.9.3_B60616_2013-12-27	
3	Local Playback of HLS files	Ability to play downloaded HLS files	

2.4 CRs Implemented in this Release

Table 4: Change Requests Implemented

No.	CR# Ref.	Description	Significant change in Operation or interfaces
1	N/A		

2.5 Bugs Solved in this Release

Table 5: Bugs Solved in SDK

No.	BTS Ref.	Description	Significant change in operation or interfaces
1	N/A	Font size is not affected by subtitle manifest attributes	
2	9096 8855	SecurePlayer short pauses on bitrate adoption	
3	9244	SRT file causes the player to crash	
4		clear HLS playback issue	
5	9143, 9280	Player lags to adopt to higher bit rates	
6	9036	Android - Open fails when zapping between envelopes	
7	9033	add bitrate & number of channels information for audio VOOSMPAssetProperty assetProperty	
8	9086	'getPosition' API fails to return a consistent value when seeking in live stream DV	
9	9050	Crash when moving to background	
10	9184	Android DxBroadcastReceiver crash on devices without bluetooth HW	

Table 6: Bugs Solved in DxApiDemos

No.	Bug# Ref.	Description	Significant change in operation or interfaces
1	N/A		

2.6 Open Issues in This Release

Table 7: Open Bugs

No.	Bug # Ref.	Description	Affected Requirement or Workaround
1			

2.7 Untested Features in this Release

Table 8: Untested Features

No.	Feature	Comments
1	Closed Captions	
2	HLS in-stream .srt, .smi, .ttml and .ismt subtitles	Nice to have Out of this version scope

2.8 Unsupported Features in this release

Table 9: Unsupported Features

No.	Feature	Comments
1	HLSv10 format	Including in-stream .webvvt subtitles Out of this version scope
2	Progressive streaming of downloadable content	Out of this version scope
3	In-stream MP3 multiple audio channels	Out of this version scope
4	Smooth Streaming in-stream .webvvt, .srt and .smi subtitles	Out of this version scope
5	External .smi subtitles are partially supported	Out of this version scope
6	External .ttml subtitles	Out of this version scope
7	External .ismt subtitles	Out of this version scope