

# ***Release Note for Display-Audio SDK***

Version 1.3.0

Display Audio SDK

Solution Team

**NEXELL**

### ***Release information***

The following changes have been make to this document.

<b>Change History</b>	
<b><i>Date</i></b>	<b><i>Change</i></b>
29 May 2019	Fourth release for v1.3.0
19 Feb 2019	Third release for v1.2.0
16 Nov 2018	Second release for v1.1.0
13 Mar 2018	First release for v1.0.0

### ***Proprietary Notice***

Information in this document is provided solely to enable system and software implementers to use Nexell products. There are no express or implied copyright licenses granted hereunder to design or fabricate any integrated circuits or integrated circuits based on the information in this document.

Nexell reserves the right to make changes without further notice to any products herein.

Nexell makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Nexell assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. "Typical" parameters which may be provided in Nexell data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Nexell does not convey any license under its patent rights nor the rights of others. Nexell products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Nexell product could create a situation where personal injury or death may occur. Should Buyer purchase or use Nexell products for any such unintended or unauthorized application, Buyer shall indemnify and hold Nexell and its officers, employees, subsidiaries, affiliates, and distributors harmless

## Introduction

against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Nexell was negligent regarding the design or manufacture of the part.

Copyright© 2019 Nexell Co.,Ltd. All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electric or mechanical, by photocopying, recording, or otherwise, without the prior written consent of Nexell.

### **Contact us**

[11595] BundangYemiji Bldg. 12F, 31 Hwangsaeul-ro 258 beon gil, Bundang-gu, Sungnam-city, Gyeonggi-do, Korea.

TEL: 82-31-698-7400

FAX:82-31-698-7455

<http://www.nexell.co.kr>

## *Contents*

Display Audio SDK.....	1
<b>1 Introduction</b>	<b>1</b>
<b>2 Scope</b>	<b>1</b>
<b>3 Version History</b>	<b>1</b>
<b>4 Features</b>	<b>2</b>
4.1 New Added Features	2
4.2 Features	2
<b>5 Features Not Supported</b>	<b>3</b>
<b>6 Issues Fixed</b>	<b>3</b>
<b>7 List of Known issues and Limitations</b>	<b>3</b>

CONFIDENTIAL

## 1 Introduction

The purpose of this document is to describe the release of Display Audio SDK.

## 2 Scope

This document is intended to describe the contents of the release. Also, the features supported in release and list of known issue are documented here.

## 3 Version History

Version	Date	Description
1.3.0	29 May. 2019	AudioPlayer ogg file crash fix. AudioPlayer Thumbnail, id3 tag information fix Added VideoPlayer Get ThumbNail in video file. Support BT discovery functions. Support BT audio plug dmix. Revise BT ALSA audio platform stub. Update NxBTServiceConsole example codes.
1.2.0	28 Feb. 2019	Added D-Audio recipe and connectivity recipe by default. Change (quick) rear camera function scenario. (See rear camera document) Support video playback speed control method in Video Player. Support Audio/Video sync control API in milliseconds. Support BT HFP Voice Recognition service
1.1.0	16 Nov. 2018	Change Qt version from 5.7 to 5.6. Change from multiple application to single application.
1.0.0	14 Dec. 2017	First Release

## 4 Features

### 4.1 New Added Features

1. Video Player
  - Support video playback speed control.
  - Support Audio/Video sync control API in milliseconds.  
( Limit : Container AVI/MKV/MP4, Video Codec : H264/Mpeg4 )
2. BT
  - Support HFP Voice Recognition service.
  - Support BT discovery functions.
  - Support BT audio plug dmix.

### 4.2 Features

1. Audio/Video Player
  - ID3 tag parsing for Album information.
  - Support basic control for playback.
  - Support video playback speed control method.
  - Support Audio/Video sync control API in milliseconds.
2. Quick Rear Camera
  - Support back-gear detect.
3. Bluetooth
  - A2DP
  - AVRCP
  - HFP
  - PBAP
4. Media Scanner
  - Audio/Video contents scanning
5. Database Access Libraries
  - SQL access library
  - XML parser
6. Utility
  - Log library

## 5 Features Not Supported

- Subtitle parser: the subtitle parser included in the software package is just an example code.

## 6 Issues Fixed

Issue	Fixed Version	Remark
Fixed Audio/Video player focus problems.	28 Feb. 2019	Fixed
Fixed up double free problem.	28 Feb. 2019	Fixed
Fixed up "Quick Rear Button" related problem.	28 Feb. 2019	Fixed

## 7 List of Known issues and Limitations

Issue	Version	Remark
Audio player does not normally display UTF-16 characters among ID3 tag information.	16 Nov. 2018	
There is a very small chance that the screen will stop after booting. (then double free error occurs)	16 Nov. 2018	
There is a problem that the audio driver is loaded later than launcher application. So the initial volume setting does not work.	16 Nov. 2018	
Sometimes EOS stream occurs twice during video speed control.	15 Feb. 2019	

## 8 Release Contents

- Source code for each application.
- Documents