

DTS APO 3.X EXTENSION PACKAGE FOR ASUS RELEASE NOTES

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v.1.1.1.0

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OVERVIEW

This document provides release notes for the DTS APO 3.x package.

RELEASE PACKAGE CONTENTS

DTS APO 3.x extension package contains the following:

- DTS APO3.x OEM extension package folder containing an installer .INF file and a device specific APO3.x tuning xml file.

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- Overview
- Release Package contents
- Important Note(s)
- Known Issues and Assumptions
- Overview of Changes

IMPORTANT NOTE(S)

- The DTS APO Render Class IDs are defined in DTS APO 3.x as below.

COM OBJECT	CLASS ID
DTSAPO3xRenderSFX	{1B917FE2-47D1-425D-A26E-AFCDBDA7A2E8}
DTSAPO3xRenderMFX	{5B98E1AC-A670-4311-B4F8-DC25E30CFBFF}
DTSAPO3xRenderEFX	{93520346-FA48-4F56-8CB0-D92CC1775E37}
DTSAPO3xRenderOSFX	{42E82F48-20E9-4B35-962A-4439059670D4}
DTSAPO3xRenderOMFX	{272B9432-8AFD-4935-84B4-A77CFA09815E}

KNOWN ISSUES AND ASSUMPTIONS

Assumptions

- The package shall be used on Windows 10 RS3 or later x64 bit OS devices.
- The package works only on specific HW audio endpoints. HW ID of audio endpoint(s) are defined in the installer INF file.
- The OEM shall have APO CLSID registration to a specific APO location (SFX, MFX and EFX) in an audio driver extension INF file. Example syntax in a codec driver extension package installer INF file or an audio driver installer INF file.

;; APO CLSID registration for render endpoints

```
HKR,InterfaceSetting\SysCustomizedFx\FX\0,%DelInterfaceKey%,%REG_MULTI_SZ%,%PKEY_SYSFX_LFXClsid%,%PKEY_SYSFX_GFXClsid%,%PKEY_SYSFX_SFXClsid%,%PKEY_SYSFX_MFXClsid%,%PKEY_SYSFX_EFXClsid%
```

```
HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_SYSFX_Association%,,%KSNODETYPE_ANY%
```

```
;HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_SYSFX_SFXClsid%,%REG_SZ%,%DTS_SFX_CLSID%
```

```
;HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_SYSFX_MFXClsid%,%REG_SZ%,%DTS_MFX_CLSID%
```

```
;HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_SYSFX_EFXClsid%,%REG_SZ%,%DTS_EFX_CLSID%
```

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_CompositeFX_StreamEffectClsid%,%REG_MULTI_SZ%,%DTS_SFX_CLSID%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_CompositeFX_ModeEffectClsid%,%REG_MULTI_SZ%,%DTS_MFX_CLSID%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_CompositeFX_EndpointEffectClsid%,%REG_MULTI_SZ%,%DTS_EFX_CLSID%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_SFX_ProcessingModes_Supported_For_Streaming%,%REG_MULTI_SZ%,%AUDIO_SIGNALPROCESSINGMODE_DEFAULT%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_MFX_ProcessingModes_Supported_For_Streaming%,%REG_MULTI_SZ%,%AUDIO_SIGNALPROCESSINGMODE_DEFAULT%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_EFX_ProcessingModes_Supported_For_Streaming%,%REG_MULTI_SZ%,%AUDIO_SIGNALPROCESSINGMODE_DEFAULT%

HKR,InterfaceSetting\SysCustomizedFx\FX\0,%PKEY_BYPASS_TP_EFFECTS%,%REG_DWORD%,0x1

```
PKEY_SYSTX_Association          = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},0"
PKEY_SYSTX_LFXClsid            = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},1"
PKEY_SYSTX_GFXClsid            = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},2"
PKEY_SYSTX_SFXClsid            = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},5"
PKEY_SYSTX_MFXClsid            = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},6"
PKEY_SYSTX_EFXClsid            = "{D04E05A6-594B-4FB6-A80D-01AF5EED7D1D},7"
PKEY_CompositeFX_StreamEffectClsid = "{D04E05A6-594B-4fb6-A80D-01AF5EED7D1D},13"
PKEY_CompositeFX_ModeEffectClsid  = "{D04E05A6-594B-4fb6-A80D-01AF5EED7D1D},14"
PKEY_CompositeFX_EndpointEffectClsid = "{D04E05A6-594B-4fb6-A80D-01AF5EED7D1D},15"
PKEY_SFX_ProcessingModes_Supported_For_Streaming = "{D3993A3F-99C2-4402-B5EC-A92A0367664B},5"
PKEY_MFX_ProcessingModes_Supported_For_Streaming = "{D3993A3F-99C2-4402-B5EC-A92A0367664B},6"
PKEY_EFX_ProcessingModes_Supported_For_Streaming = "{D3993A3F-99C2-4402-B5EC-A92A0367664B},7"
DTS_SFX_CLSID                  = "{1B917FE2-47D1-425D-A26E-AFCDBDA7A2E8}"
DTS_MFX_CLSID                  = "{5B98E1AC-A670-4311-B4F8-DC25E30CFBFF}"
DTS_EFX_CLSID                  = "{93520346-FA48-4F56-8CB0-D92CC1775E37}"
DTS_OSFX_CLSID                 = "{42E82F48-20E9-4B35-962A-4439059670D4}"
DTS_OMFX_CLSID                 = "{272B9432-8AFD-4935-84B4-A77CFA09815E}"
```

Known Issues

- This is a beta package with OEM HLK test completed. Pending MSFT ISV HLK test case update.

OVERVIEW OF CHANGES ACROSS VERSIONS

This section lists a brief note on the code changes, bug fixes and feature updates made, up to the last supported version.

DTS APO 3.x Extension Package

CHANGE LOG FOR v1.0.18.1 (Feb 19th-2019)

MBAC-318 Update to latest service with new UUID correct date info.

CHANGE LOG FOR v1.1.1.0 (Sept 4th-2019)

- MBAC-456 653 Update for Win 10 19H1 support and new tuning presets

CHANGE LOG FOR v1.0.18.0 (Feb 12th-2019)

- MBAC-315 New SSID support.
- MBAC-318 Update to latest service with new UUID.

CHANGE LOG FOR v1.0.17.0 (Dec 12th-2018)

- MBAC-179 Correction for SSID.

CHANGE LOG FOR v1.0.16.0 (Dec 5th-2018)

- MBAC-179 adding support for new model, RS5.

CHANGE LOG FOR v1.0.15.1 (Nov 2nd-2018)

- MBAC-89 Update for HLK RS5.

CHANGE LOG FOR v1.0.15.0 (Aug 24th-2018)

- MPG-8979 adding support for new model, targeting HLK RS4.

CHANGE LOG FOR v1.0.14.0 (Aug 24th-2018)

- MPG-8686 MPG-8662 updated tuning preset files, targeting HLK RS4.

CHANGE LOG FOR v1.0.13.0 (June 25th-2018)

- MPG-8305 updated tuning preset files, targeting HLK RS4.

CHANGE LOG FOR v1.0.12.0 (June 10th-2018)

- MPG-8128 updated an extension inf file, and hsa inf version info.

CHANGE LOG FOR v1.0.10.0 (May 10th-2018)



- MPG-8010 updated an extension inf file.

CHANGE LOG FOR v1.0.9.0 (April 18th-2018)

- MPG-7837 updated an extension package tuning file.

CHANGE LOG FOR v1.0.0.0 (AUGUST-2017)

- MPG-5766 – Initial DTS APO 3.x beta package release