EasyAVEngine Programming Guide

Juiwen Hsu@2013-0410

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# Introduction

EasyAVEngine is a COM component base library to improve video and audio application design performance in windows system.

EasyAVEngine includes below sub-parts:

EasyVideo: target for video application.

EasyAudio: target for audio application.

EasyControl: for device access.

UltimateSCPI: target for SCPI instrument control.

## Document Revision

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# Prepare development environment

To Prepare development environment for EasyAVEngine is a easy job, just two steps.

1. Install EasyAVRuntimeEngine
2. Include “EasyAVEngine.h” into your project

## Install EasyAVRuntimeEngine

Download EasyAVRuntimeEngine setup package from one of below location:

\\us01f01\video\video\Hardware Engineering\TDE Collections\EasyAVEngine\EndUsers\ EasyAVRuntimeEngine

\\corp.logitech.com\Video\TDE\_TRANSFER\_DRIVE\ EasyAVEngine\EndUsers\ EasyAVRuntimeEngine

For example:

Inside EasyAVRuntimeEngineX86-Ver(2013.04.06.00).zip includes below files:

|  |
| --- |
| EasyAVRuntimeEngineX86.exe  EasyAVRuntimeEngineX86-SilentInstall.bat  EasyAVRuntimeEngineX86-SilentInstall.cmd |

Both **EasyAVRuntimeEngineX86-SilentInstall.cmd** and **EasyAVRuntimeEngineX86-SilentInstall.bat** are one click setup script.

Please unpack it and run one of these script files.

## Include “EasyAVEngine.h” into project

Create a visual studio project and include main EasyAVEngine header file.  
The file “EasyAVEngine.h” is locate at “EasyAVEngine\Developers\Includes\ EasyAVEngine.h”

|  |
| --- |
| #include "EasyAVEngine.h" |

## EasyAVEngine Programming Resource

For more detail to implement EasyAVEngine with your application, please refer below resource:  
Programming documents.

|  |
| --- |
| EasyAVEngine\Developers\Docs\ |

Sample codes:

|  |
| --- |
| EasyAVEngine\Developers\Samples\ |

You can start those sample code from below EasyAVEngine solution.

EasyAVEngine\Developers\Samples\Build\EasyAVEnginelSamples\_VS2005.sln

# Reference

## EasyAudio-Programming-Guide-IEasyAudioStdWaveGenerator.docx

EasyAVEngine\Developers\Docs\EasyAudio\EasyAudio-Programming-Guide-IEasyAudioStdWaveGenerator.docx

## EasyAudio-Programming-Guide-IEasyAudioCalibratedProfile.docx

EasyAVEngine\Developers\Docs\EasyAudio\EasyAudio-Programming-Guide-IEasyAudioCalibratedProfile.docx