

EasyAVEngine Programming Guide

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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\EasyAVEngine\Samples_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