

AN220804 Example C++ Projects

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Four VS projects are provided to demonstrate the key features and functionality of the iMS4 using C++ projects.

A number of these examples import data from an Excel spreadsheet(s) and to enable their use it will be necessary to download the required library and include files. These are provided with instruction in the zip file *Excel_Support (2022)*

Please refer to the current API documentation installed with the SDK
e.g. C:\Program Files\Isomet\iMS_SDK\v1.8.5\doc\

1: Enhanced Sequences Program.zip

Basic instruction.

This VS project demonstrates the Enhanced Sequence functionality using sample images created from ascii character Font map.

Start by running the .exe in the x64\Release folder.

It will download 50 Images with some timing metrics then report "Demo ready"

Press any key to continue.

At the top of the menu screen, a list of 8 options are displayed. These are selected using the Function keys (and F12 to quit).

Start by creating a sequence - F1. That will open a different menu where you can add sequence entries (image and tone), change frequency offsets and complete / download the sequence.

Add as required then press F5 from the main menu to run the sequence (internal clock).

This will open the playback menu where you can pause/resume and stop the sequence queue. Status is displayed at the bottom, and when paused or stopped, you can see the queue contents in the centre of the screen (F7 on main menu for more detail).

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2: SeqCreate-ExcelFile-VS2017.zip

Similar to example 1: above except the Images are imported from an Excel Spreadsheet.

Prerequisite: Download and install support files *Excel_Support.zip*

Basic instruction.

- Run Microsoft Visual Studio
- Open Project iMS_EnhancedSequences.sln
Source file comments are included to explain functionality
- Build Solution
- Run Debug

3: ImageChoose-ExcelFile-VS2017.zip

Images are imported from an Excel Spreadsheet.

User selects which Image to Play

Prerequisite: Download and install support files *Excel_Support.zip*

Basic instruction.

- Run Microsoft Visual Studio
- Open Project iMS-fromFiles.sln

Source file comments are included to explain functionality

- Build Solution
- Run Debug

4: ImageChoose-ippFile-VS2017.zip

Images are imported from an existing *.iip file previously generated using the Isomet Studio GUI.

User selects which Image to Play

Basic instruction.

- Run Microsoft Visual Studio
- Open Project iMS-fromFiles.sln
Source file comments are included to explain functionality
- Build Solution
- Run Debug