Spout 2.007

Included with the Spout distribution are :

SETTINGS
 o SpoutSettings.exe - program to select settings for Spout
 o SpoutPanel.exe   - sender selection dialog for Spout receivers
 o spout-settings.bat – batch file for manual registration and setup

DEMO
 o Sender and receiver demonstration programs

Installation

Windows Defender may warn against extracting the downloaded zip file as an unknown source. If this occurs :

• 	Right-click on the file and open Properties.

 	If you see at the bottom of the "General" tab :

 	This file came from another computer and

 	might be blocked to help protect this computer.

• 	Click the **Unblock** button and Apply/OK.

After extracting the downloaded zip file, you will find a 'SPOUT-2007' folder that can be moved to any location (although avoid folders that require administrator privileges). After moving this folder to a permanent location, you will need to initialize Spout.

Settings

SpoutSettings is a utility program to change the operation mode for Spout applications. Help buttons describe all options. Options are saved in the registry under "Computer\HKEY_CURRENT_USER\Software\Leading Edge\Spout". The path to "SpoutPanel" is also recorded in the registry for receivers to find.

• 	If an early Spout installation is detected, you have the option of removing it. If you do not receive a message that the installation has been successful, close the program and use Windows Control Panel to un-install the old version.

• 	Choose the settings you require. Help buttons are available for each setting. Use default settings if you are unsure. Click OK to save the settings into the Windows registry.

 	Auto share : Texture share by compatibility

 	CPU share : Force CPU share

 	Frame count : Sender frame counter

 	Buffering : OpenGL pixel buffering

 	Number of buffers : 2 - 4

 	Maximum number of senders : 10 – 255

For convenience, Nvidia and Windows Graphics Performance settings are also shown and can be changed. These are generally accessed with the Nvidia control panel and Windows settings. Use the Help buttons for details.

Demonstration programs

The demonstration programs are basic sender and receiver applications intended for testing purposes. The sender allows selection of output format, such as 16 bit unsigned or 16 and 32 bit float.

A more extensive project is published on GitHub and includes recorder and shader classes which are not part of the main Spout repository. The project can be built as either sender or receiver. Pre-built applications can be downloaded from the latest release.

The receiver has video recording, image capture, image adjust functions, full screen display and the image can be re-sent for input into other programs.

Spoutpanel

"SpoutPanel" is a dialog application that receivers can access for the user to select senders if activated within the application code. The path to SpoutPanel is established if it has been run independently once.

Missing DLL error

The Spout utility programs are built with Visual Studio 2022. If you see errors about missing DLL's then you can install the Visual Studio runtime. Spout programs are 64-bit, download the X64 version. If you require the 32-bit runtime for other applications, download the X86 version but install the 64-bit version first.

Windows Defender and Anti-Virus programs

Windows Defender may warn against opening SpoutSettings, SpoutPanel or the Demo programs as having an unknown publisher. The Publisher is unknown because they are not code signed, which is a commercial service. "Run anyway" will bypass the message and allow future openings.

Anti-Virus programs may also block the programs with false positive warnings, even though they are safe and the demo programs are open source.

However, if these warnings cannot be overcome, a batch file "**spout-settings.bat"** can be used in place of the SpoutSettings program. The file can be examined with a text editor for assurance of authenticity.

Again, use "Properties > Unblock" if Windows Defender warns against opening the batch file as an unknown source.

If SpoutPanel remains blocked, an alternative dialog is shown for sender selection.

Other applications

SPOUTCAM

The virtual webcam "SpoutCam" is available at :

https://github.com/leadedge/SpoutCam/releases

PROCESSING

Spout for Processing is available as a contributed library. Get it from your sketch Library import manager. Spout library update is managed by the individual applications. Examples are included in the distribution. Source is available on GitHub : https://github.com/leadedge/SpoutProcessing

Max/Msp

jit.gl.spoutsender and jit.gl.spoutreceiver are now maintained by Rob Ramirez and are available in the Max package manager for both 32bit and 64bit.

VVVV

DX9 version is distributed with the latest Alphas. DX11 version is avalaible as an addition.

VirtualDJ

64 bit plugins are available on GitHub : https://github.com/leadedge/SpoutVDJ

FreeframeGL

Freeframe hosts for popular programs now include Spout built in and the 32 bit plugins are no longer necessary. However, FreeframeGL 1.6 source and binaries remain available on GitHub : https://github.com/leadedge/Spout2/tree/2.006/FFGL

Open source

A comprehensive list of open source projects can be found at :

https://leadedge.github.io/spout-projects.html

Applications for Windows

The Spout home page shows icons and links to many of the programs that support Spout.

Contact and support

Visit the website or the GitHub repository.

Direct any questions to the Spout Discourse group.