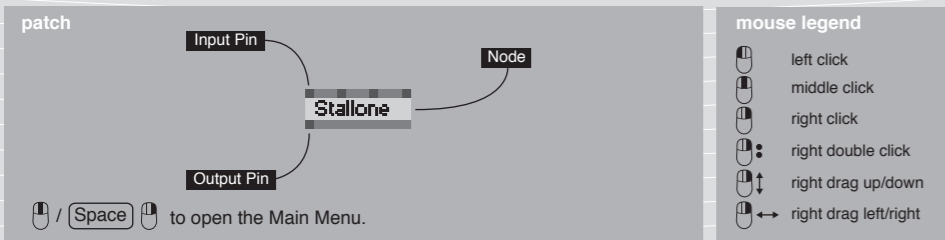


getting started



Create Nodes

in a patch to open the Node Browser

Start typing tags to find nodes. Separate multiple tags by space. Use up/down arrow keys and press enter or click a name to create the respective node

Type M, X, F, P, D to filter for Modules, Effects, Freeframes, Plugins, Dynamic Nodes

Type . to show only available subpatches (relative to the current patch)

in the Node Browsers textfield to show a category ordered list

in a patch to create a value IOBox by default or select one of the other IOBoxes from the upcoming list

Link Nodes

on an input or output pin to start a link

on any of the highlighted pins to end the link

on an output pin to start a link and automatically create an additional link from this pin after having ended it while making a link click in the patch

to add linkpoints to end link with respective IOBox to cancel the link

Change Nodes

an existing node to exchange it with another one while keeping links that are still fitting

alt a node to reset all its inputs to their default values

a value-, string- or color pin to show a little editor specific to the data type (see IOBoxes on the back side)

vvvv online

http://vvvv.org

TUTORIALS

<http://vvvv.org/documentation/tutorials>

DOCUMENTATION

<http://vvvv.org/documentation>

FORUMS

<http://vvvv.org/forums>

The documentation section of the website is a wiki which allows every user to participate and share his knowledge concerning specific topics.

Press CTRL+3 on any vvvv window to send a screenshot to the website.

imprint

All content of this leaflet as of vvvv45beta25

responsible for content

vvvv group

<http://vvvv.org/impressum>

window commands

Snapshot ctrl 1	Take a screenshot of the active window. The screenshot is saved to the clipboard as well as to disk next to the patch.
Snapshot Client ctrl 2	Same as above but takes the screenshot without window borders.
Snapshot to Web ctrl 3	Take a screenshot of the active window to share it on vvvv.org or specify a path to save it.
Always on Top ctrl T	Set the active window to be always on top.
Windowed alt 1	Set the active windows component mode to show up in a window.
In a Box alt 2	Set the active windows component mode to show up as a box within its parent patch.
Hide alt 3	Set the active windows component mode to hidden, i.e. only the windows corresponding node shows up.
FullScreen alt Enter	Switch active Window to fullscreen.
Toggle Border ctrl 8	Toggle the border of the active window on and off.
Toggle Windows ctrl (↑) (↔)	Cycle through all vvvv windows. Press SHIFT to cycle in reverse order.

main commands

Help F1	Show the help patch for the selected node. If no node is selected a generic help patch shows up.
Online Help alt F1	Show the online node reference page of the selected node in a browser.
Fanclub ctrl F1	Open an IRC chat connected to #vvvvv on irc.freenode.net to chat to other users and devvvvelopers.
Inspektor ctrl (↑) I	Bring up the Inspektor window or create one if none exists yet. Press SHIFT to open a new one regardless of any already existing.
Projekt Explorer ctrl (↑) J	Bring up the Projekt Explorer window or create a new one if none exists yet. Press SHIFT to open a new one regardless of any already existing.
Finder ctrl (↑) F	Bring up the Finder or create a new one if none exists yet. Press SHIFT to open a new one regardless of any already existing.
Rescan for Addons alt E	Rescan the \freeframe and \vst directories for changes and add/remove according nodes to the Node Browser. Other Addons are being added/removed automagically.
Close ctrl W	Close the current window and remove its corresponding node from the patch.
Close All ctrl (↑) W	Close all windows and open a clean root patch.
Quit alt F4	Exit vvvv.

patch commands

New ctrl (↑) P	Open a new patch window with its corresponding node in the root patch. Press SHIFT to create the node corresponding to the new patch in the active patch.
Open ctrl (↑) O / Q	Open an existing patch with its corresponding node in the root patch. Press SHIFT to create the patches corresponding node in the active patch.
Save ctrl S	Save the active patch.
Save As... ctrl (↑) S	Save active patch under a different name.
Save All alt S	Save all unsaved patches.
Revert to Saved ctrl R	Close the active patch unsaved and load the last version from disk.
Set as Root alt T	Set the active patch as root and write an entry to the args.txt file so that this patch is loaded as root on startup.
Show Root alt R	Show the current root patch.
Module Info ctrl M	Toggle show/hide fields to add Author, Description, Tags for a module.
Lock Patch ctrl E	Toggle the lock-state of the active patch. Locked patches hide nodes and links marked as „Hide on Lock“ and only allow interaction with IOBoxes.
Lighten Patch ctrl 7	Lighten the active patches background.
Darken Patch ctrl 6	Darken the active patches background.

edit commands

Undo ctrl Z	Undo the last step. The undo history is infinite. See the Undo (VVVV) node for some options.
Redo ctrl (↑) Z	Redo the last undone step. See the Undo (VVVV) node for some options.
Cut ctrl X	Copy and remove selected nodes from the patch.
Copy ctrl C	Copy selected nodes.
Paste ctrl (↑) V	Insert copied nodes at the position of the mouse cursor. Press SHIFT to keep all inputs connected.
Duplicate ctrl (↑) D	Copy and paste selected nodes. Press SHIFT to keep all inputs connected.
Align ctrl L	Align the currently selected group of nodes either horizontally or vertically, depending on their current arrangement.
Select All ctrl A	Select all nodes in the active patch.
Boygrouop ctrl B	Toggle Boygrouop status of a node. See http://vvvv.org/documentation/boygrouping
Hide on Lock ctrl H	Toggle visibility of selected nodes and links for when the patch is locked.
Debug Mode ctrl (↑) F9	Toggle debug mode. Press SHIFT to toggle the mode of selected nodes only.
Change Linktype ctrl Y	Cycle through different line styles for links: straight, segmented or bézier.

All content of this leaflet as of vvvv45beta25

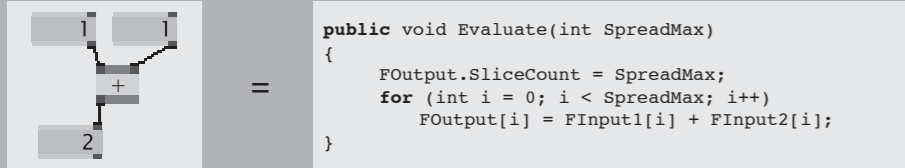
responsible for content

vvvv group

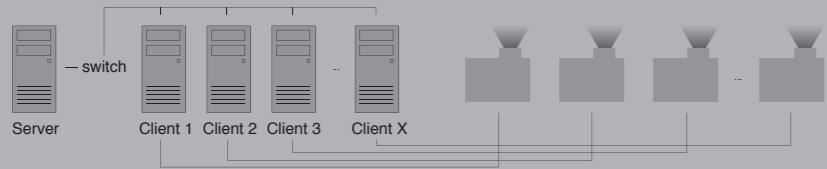
<http://vvvv.org/impressum>

vvvv - a multipurpose toolkit

vvvv is a hybrid graphical and textual programming environment for rapid prototyping as well as realworld professional use.



With its built in Boygrouping (client/server render cluster) technology it is designed to facilitate the handling of large scale interactive media installations.



vvvv natively supports the following standards (many more are available via plugins)

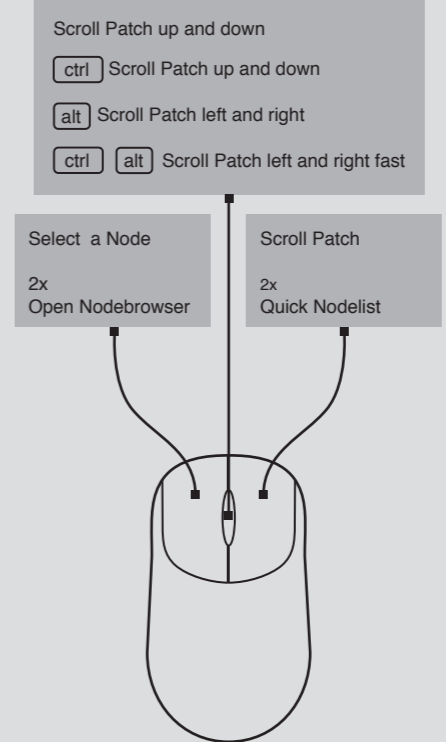
- ArtNet
- Collada
- CSharp
- Direct3D
- DirectShow
- DotNet
- DMX
- Flash
- FFT
- Freeframe
- HID
- HLSL
- HTML
- HTTP
- IRC
- MIDI
- MySQL
- OSC
- ODE
- RS232
- TCP
- UDP
- XML
- VST

vvvv - licensing à la robin hood

vvvv is free for non-commercial and academic use.
 Commercial use requires the payment of license fees and thus supports further development.
<http://vvvv.org/licensing>

don't panic

THE NOOBS GUIDE TO vvvv



IOBoxes

The functionality described below also applies to pin-editors which are invoked via right-click on pins of the respective types.

- IOBox (Value Advanced)**
- enter a new value (also try math formulas)
 - change value according to stepsize
 - / stepsize / 10
 - / stepsize / 100
 - / stepsize * 10
 - / stepsize * 100
- IOBox (String)**
- enter a new string
 - file-dialog
 - directory-dialog
- IOBox (Color)**
- brightness saturation
 - hue alpha
- All IOBoxes, Nodes and Pins**
- reset to default value
 - on any connected iobox to automatically give it a descriptive name, turning it into a pin of this patch. Alternatively you can enter a descriptive name manually via the Inspektor.