

« OpenSound Control ("OSC") is a protocol for communication among computers, sound synthesizers, and other multimedia devices that is optimized for modern networking technology and has been used in many application areas. »

Voir : <http://www.cnmat.berkeley.edu/OpenSoundControl/>
<http://opensoundcontrol.org/>

OpenSound Control has been implemented in the following systems:

- Bidule
- CPS
- Csound (under re-development)
- The EyesWeb project
- Grainwave
- EtherSense: sensors-to-OSC digitizing interface (distributed via IRCAM's forumnet)
- Flash (via flosc - see also the Flash OSC Forum)
- Glucion sensor to OSC interface
- HTM
- Intakt (Native Instruments)
- Java
- Lemur, an LCD screen touchpanel capable of sensing multiple fingers at once
- Macromedia Director Xtra "OSCar"
- Max/MSP (for Macintosh (mature) and Windows (beta)) <http://www.cnmat.berkeley.edu/OpenSoundControl/Max>
- Objective C
- Open Sound World
- Pd (With source) <http://barely.a.live.fm/pd/OSC>
- Perl
- PHP
- Picker
- Python (via ProctoLogic or OSC.py)
- The Slidepipe
- The SmartController: programmable OSC, MIDI, control voltage mapping conversion hardware
- SuperCollider
- Reaktor (Native Instruments)
- RTMix
- Ruby
- Sodaconstructor
- SpinOSC
- Squeak (via Siren)
- VisualWorks Smalltalk (via Siren or VW OSC)
- "The Toaster": hardware that converts analog sensor data to OSC output
- Traktor (Native Instruments)

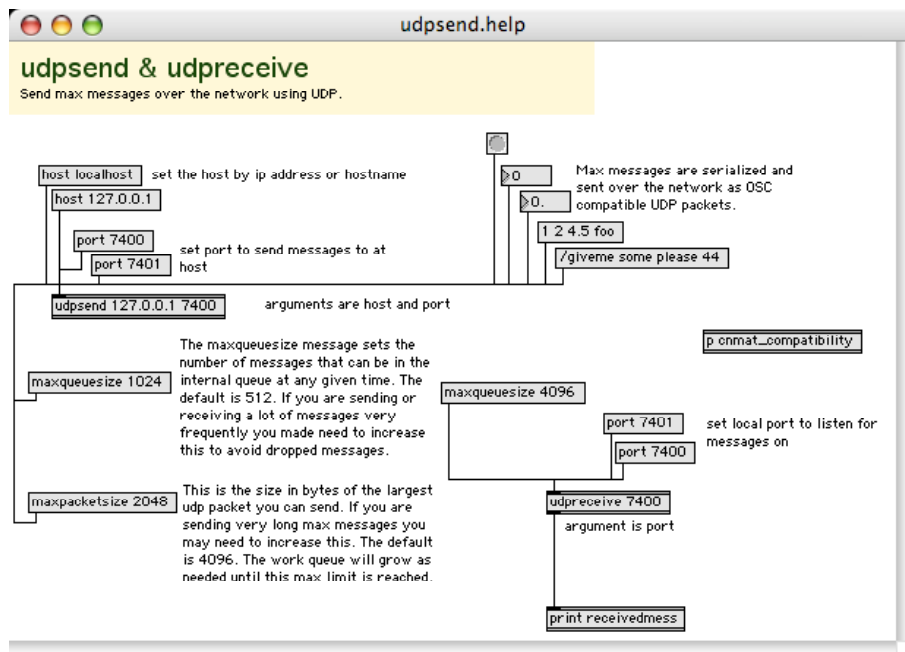
OSC sous Max/MSP sous MacOSX ou Windows

« The most reliable implementation of the UDP part is the udpsend and udpreceive externals that are now distributed with Max 4.6. CNMAT recommends these over our own (or anybody else's) older implementations. Why?

1. Because they interact cleanly with Max's threading and scheduling systems,
2. Because they were written recently rather than being a port of a port of a port...,
3. because they're cross-platform.)

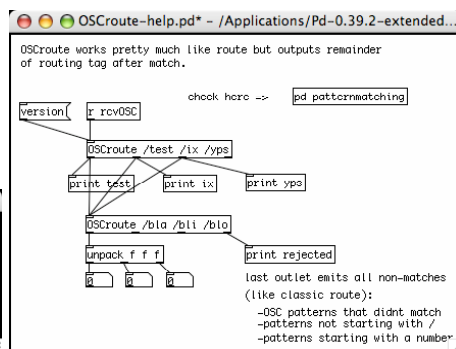
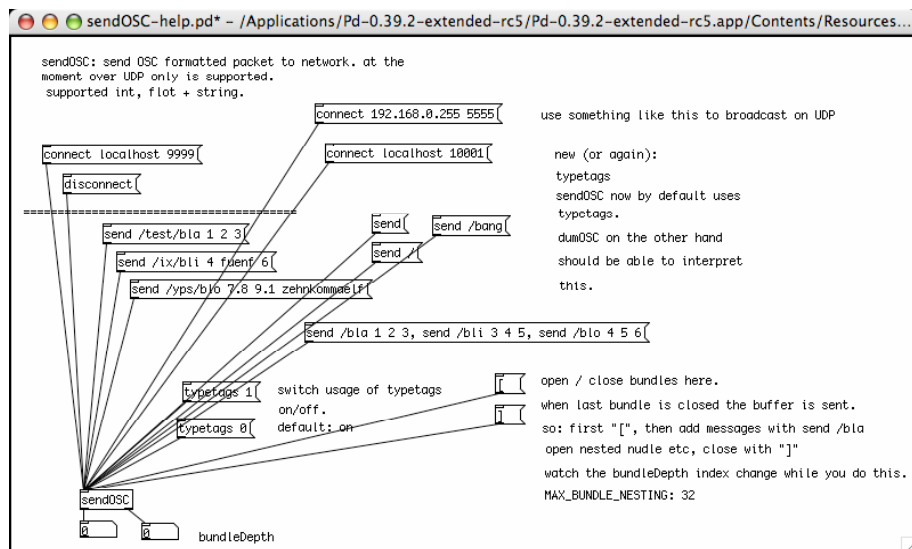
If you have an older version of Max, you can download these objects for OSX or Windows : »

- <http://www.synthesisters.com/download/udp20060126.dmg>
- <http://www.synthesisters.com/download/udp20060126.zip>



OSC sous Pd sous MacOSX

Les objets sendOSC, dumpOSC, OSCroute de la library oscx sont installés dans Pd-0.39.2-extended-rc5

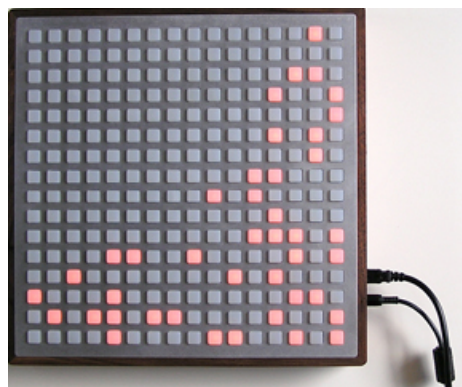


Voir : http://ccrma.stanford.edu/~jrobfox/OSC_PD_OSX.html

Monome

<http://monome.org>

Voir : <http://monome.org/data/setup>



the monome 40h is a reconfigurable grid of sixty-four backlit buttons

Chuck et miniAudicle

<http://chuck.cs.princeton.edu/>

IanniX (Freeware pour MacOSX, Windows, Linux)

<http://iannix.la-kitchen.fr/>

« an OSC poly-temporal meta-sequencer, from the UPIC (Iannis Xenakis) »

IanniX propose une représentation graphique multidimensionnelle, multiformelle et multidocument, permettant la création d'objets comme des courbes (pour manipuler des valeurs de paramètres), des triggers (pour déclencher des événements fixes) et des trajectoires associées à des curseurs (pour lire les espaces). C'est une sorte de métaséquenceur polytemporel. IanniX utilise le protocole OSC pour communiquer de façon bidirectionnelle avec divers logiciels (PureData, Max/MSP, OpenMusic, SuperCollider, Processing, VirChor...). IanniX est un logiciel multiplateforme sous licence GPL compatible avec les environnements Linux, Mac OS ou Win32.

IanniX a été conçu en hommage à Iannis Xenakis, concepteur de l'UPIC. Ce projet est sponsorisé par le Ministère de la Culture (DMDTS)

Configuration OSC par défaut : In port : 1980

Out port : 1979

Exemples de message OSC : /iannix/curves 1 90.1565

/iannix/triggers 0 45

/iannix/score/play 0

/iannix/score/dimensions 15 10

/iannix/score/curve 0 1 0 0 100 3.72515

Usine (Freeware ou 50 € pour Windows)

<http://www.sensomusic.com/usine/>

Usine Free is fully functional but limited to 1 stereo input, 1 stereo output and 4 tracks.

OSculator 2.5 (Freeware MacOSX)

<http://www.osculator.net>

« a software that helps to use the OSC protocol on Mac OS X. »

« It is designed for all OSC controllers, but you can also natively use the Nintendo Wiimote and 3Dconnection's SpaceNavigator. You will be able to control other software or devices with OSC, MIDI, Kyma Firewire, and also control Mouse or keyboard. »

Voir Methode 77 IanniX.doc

Voir Methode Chuck.doc

Voir Methode LiaisonInterApplications.doc