

Host Computer Instructions for "GendyCloud"

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1 Installation of Required Softwre (MACOS)

1.1 Install Homebrew

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

1.2 Install Csound

1.2.1 With Homebrew

```
brew install csound
```

1.2.2 With package manager

<https://csound.com/download.html>

1.2.3 Check Csound version (6.18) (terminal)

```
csound --version
```

1.2.4 Test Csound

1. Save following as csd-test.csd in the same folder

```
<CsoundSynthesizer>
<CsOptions>
-odac
</CsOptions>
<CsInstruments>
instr 1
  aSin  poscil  0dbfs/4, 440
        out     aSin
```

```
endin
</CsInstruments>
<CsScore>
i 1 0 5
</CsScore>
</CsoundSynthesizer>
```

2. Test Csound You should hear a tone for 5 seconds.

```
csound csd-test.csd
```

1.3 Download and Install NodeJS

<https://nodejs.org/dist/v18.12.1/node-v18.12.1.pkg>
(or the latest from <https://nodejs.org>)

1.4 Remote OSC

If your folder includes remote-osc/client, skip this step

<https://github.com/serkansevilgen/remote-osc/archive/refs/heads/master.zip>

Extract zip and go to folder client/ and run

```
npm install
```

2 Running software

2.1 Csound

```
csound xnpm22.csd
```

Please keep *settings.csd* file in the same folder

2.2 Remote OSC Client

```
cd remote-osc/client
node client.js ./config.json
```

The config.json file should include the following

```
{
  "serverAddress": "3.125.90.128",
  "serverPort": 8081,
  "clientAddress": "0.0.0.0",
  "clientPort": 1337,
  "appAddress": "127.0.0.1",
  "appPort": 7770
}
```

2.3 Web UI

- Go to link

<http://xnpm22.serkansevilgen.com/>
 network: /xnpm22 ID: 0 (0 to 7) Name: Your name
 See "Performance Notes" page <http://xnpm22.serkansevilgen.com/user-guide.html>

3 Performance monitoring and debugging

3.1 You should see the content of the config.json when you start Remote OSC client.

3.2 Whenever a performer sends data you should see it in Remote OSC client terminal like

```
{
  address: '/xnpm22',
  args: [
    { type: 'i', value: 5 },
    { type: 's', value: 'note_dur' },
    { type: 'f', value: 13},
    { type: 's', value: 'Serkan Sevilgen'}
  ]
}
```

The first value is userid (5), the second is the name of the parameter (note_dur) and its value (13). The last value is your name.

3.3 If you don't see the your actions on the Web Interface reflected at the Remote-OSC display, reload Web UI.