REACTIVE ENVIRONMENT FOR NETWORK MUSIC PERFORMANCE AUTOMATIC INSTALLATION INSTRUCTIONS

Step 1: Run our installation script

1. In the directory where you have downloaded and unzipped our package, type the following commands in a terminal:

```
# cd reactive_environment_for_NMP
# chmod a+x install.sh
# sudo ./install.sh
```

Step 2: Configure JACK to use realtime scheduling

1. If the file `'/etc/security/limist.d/99-realtime.conf'` doesn't already exist, create it file by typing the following command in a terminal:

```
# sudo gedit /etc/security/limits.d/99-realtime.conf
```

2. Add the following two lines to that file:

```
@audio         - rtprio  99
@audio         - memlock unlimited
@audio         - nice    -15
```

3. In a terminal, type the following command:

```
# sudo groupadd audio
# sudo usermod -a -G audio yourUserID
```

4. Log out, then log in again.

Step 3: Configure SuperCollider to use SwingOSC

1. If the directory `'/home/yourUserID/.config/SuperCollider'` doesn't already exist, create it by typing the following command into a terminal:

```
# mkdir /home/yourUserID/.config/SuperCollider
```

2. In a terminal, type the following command:

```
# gedit /home/yourUserID/.config/SuperCollider/startup.scd
```

3. Add the following lines to the file:

GUI.swing;
SwingOSC.java = "/usr/lib/jvm/java-8-oracle/jre/bin/java";
SwingOSC.program = "/usr/bin/SwingOSC.jar";
g = SwingOSC.default;
g.boot;
q = q ? ();

ShutDown.run({
        SwingOSC.default.quit;
});

Server.default=l=Server.local;
l.boot;

Step 4: Disable gspca_kinect module

Edit the "**/etc/modprobe.d/blacklist.conf"** file by running the following command
in a terminal:

 # /etc/modprobe.d/blacklist.conf

Add the following line to the end of the file:

blacklist gspca_kinect

(Note: this change will not take effect until you reboot your computer)

Step 5: Reboot computer and select low-latency kernal

In order to use the low-latency kernel that was installed , you have to reboot your computer
and select the **linux-lowlatency** kernel from the **GRUB menu.**

(Note: if you don't see the linux-lowlatency kernel in GRUB, select "**Previous linux entries**"
instead. You should be able to the **linux-lowlatency** in the list that follows).

That is all!

To begin using our Reactive Environment for NMP, please read "User Manual.pdf"