

KARMA / cell - documents

How to operate the KARMA / cell installation

A) Startup procedure

STEP #1

Startup both the PC and MAC notebooks

STEP #2

On the MAC desktop you can see 2 program icons numbered as “1” and “2”.

Now click on the icon “1”, which will start Logic Audio.

Once Logic has opened click on icon “2”, which will start Max/Msp.

STEP #3

Move over to the PC and find on its desktop an icon numbered “3”

Click on this icon, which will start Unreal Tournament.

STEP #4

Once Unreal Tournament is running return to the MAC and in the Max/Msp patch window and find the green “Start” button (center top).

Click on the green “Start” button to confirm the network connection between Max on the MAC and Unreal Tournament on the PC.

To the immediate right of the green “Start” button you can see a smaller circular button in a slightly different shade of green. Click now on this button. In the lower half of the Max patch window you should now see 6 circular buttons lighting up in yellow. This is the confirmation that all 6 channels are active and working. Congratulations! You started successfully.

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A) Shutdown procedure

STEP #1

On the MAC in the open Max patch window find and click on the red “Stop” button (center top) to disconnect between Max on the MAC and Unreal Tournament on the PC.

Then close the Max runtime application from its menu.

STEP #2

Then on the MAC close the Logic Audio program from its menu.

If the program asks you whether to “save changes” – click on “No”.

Now you can shut down the Mac from its “Apple” menu.

STEP #3

On the PC notebook hit the “ESC” button, which will halt Unreal Tournament, showing you a window with several buttons, one of them called “Exit”. Click on “Exit” and click on “Yes” in the following “Do you really want to exit” confirmation window. Now the program shuts fully down.

Now turn off the PC from its “Start” menu.

You have successfully switched off the whole system!

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C) Additional Information & Trouble Shooting

#1 – Max patch

Very basic sound (Note On's) will be present already without hitting the green "Start" button and the circular button next to it. Always make sure to fully start up by clicking on those two green buttons so that the 6 yellow lights appear - by doing so assuring complete connection and full sound response.

If the screen of the Mac starts flashing it means connection has been interrupted between the 2 computers and a restart is needed. You can't just reconnect but have to close the program and restart.

In case the system crashes during the day and must be restarted it's important to know that a minimum of 2min is needed for the tcp server routine to reset. This really means whenever you stop the system and want to restart wait 2min before starting up the Max "2" patch again. Of course if the Mac is restarted 2 min will have passed automatically.

#2 – Logic Audio

The program requires a hardware USB dongle – which you'll find attached on the right side of the Mac. When this dongle is removed the program will not start or immediately end if already running.

As mentioned above the program patch, when ending it, must never be saved, even if the program asks to do that.

#3 – Mac Book Pro

The power cable of the new Intel Mac Book Pro's is magnetically attached to the Notebook. This connection by design is rather easily interrupted. If by any chance the power cable gets disconnected the Mac will work until its battery is empty and then goes to "sleep". If the Mac shuts down all of a sudden please check if the power cable is attached properly.

#4 - Heat

there are 2 USB fans in use to cool the bottom of the MACbook and the powersupply of the PC. This is added security to maintain overall low temperatures and better stability. The system will work without those fans, however in case one of them or both stop working its advised to replace them. Especially the MAC runs quite hot without additional external fan, so its good to have this in mind in case the rain should ever stop and higher outside temperatures start translating into the exhibition space.

#5 – System password

for major problems the system administrator password is “karmatic”

#6 – System Diagram

