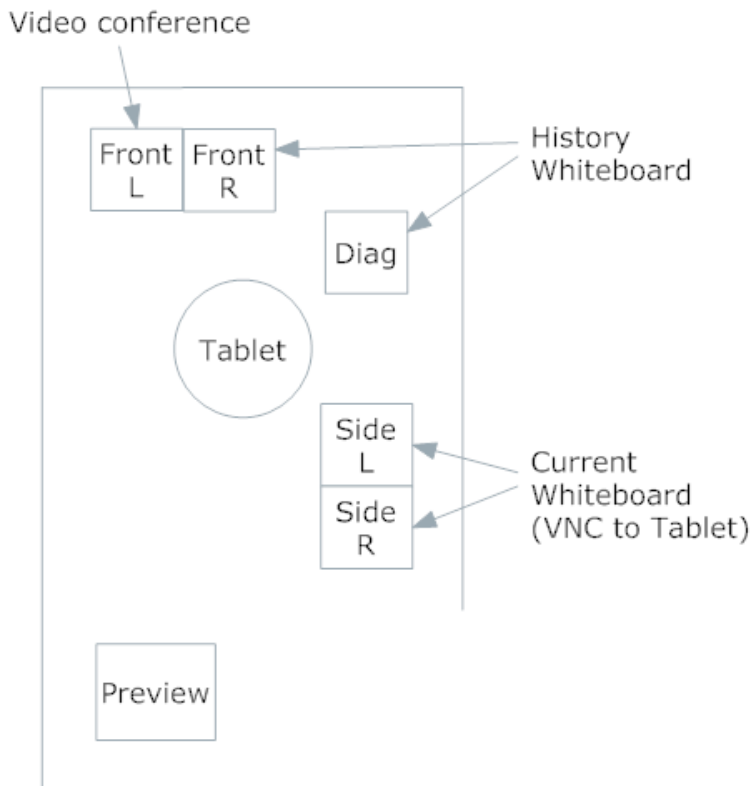


Access Grid Setup Instructions

Introduction



The Universal Style allows lecturers to use both the Tablet and Mimio pen together. Hence we no longer have to worry about the lecturer's preference on Tablet or Mimio.

In this style, all teaching programs are launched in the Tablet. The "Current Whiteboard" (Side L + Side R), will only mirror the Tablet's screen via VNC. This means that whatever the lecturer sees on the Tablet will appear on the "Current Whiteboard". If a lecturer wishes to share his/her laptop's display, then the Tablet should launch a VNC client to that laptop so that anyone (local and remote participants) can view them.

We then have another set of screens called the "History Whiteboard" (Front R + Diag) which will replicate the "Current Whiteboard" when the lecturer moves to a new page. This will provide lecturers more spaces to write on. A program called the "CapNSend Viewer" is placed here so that the contents of "Current Whiteboard" can be replicated to it.

Therefore, when remote participants are to view our sites, they will need to connect to two separate screens. One is to the "History Whiteboard" (Gridroom PC) and the other is the "Current Whiteboard" (Gridwbrd PC).

Lastly, we have one screen for video conferencing (Front L).

The configuration steps for the Universal Style are explained below.

MacMini (situated at lectern)

- Turn both tablet PC's on.
- Reboot Windows 7 (To prevent sluggish mouse/tablet performance)
- Launch Up/Down Page Control from icon on desktop
- Start OneNote 2007. Make sure it is not maximized but it should be stretched across both tablet screens.
- Create new Section for next lecture.
- Press F11 on keyboard to make the display full-screen (this is required for the page control to work)
- Test the page control is working when the VNC from gridwbrd has been set up

AMX Panel (next to Preview Monitor)

- Touch the screen (twice)
- Touch Access Grid button
- Touch Preview Monitor, Rear, Front L, Front R, Diagonal
- Touch Whiteboard PC (PC icon), then touch Side L, Side R

Access Grid PC (Preview Monitor)

- Launch CapNSendViewer from the shortcut on the desktop. This should open up on the Front R and Diagonal screens. Stretch to fit both screens if necessary
- Right click on the VNC server icon on system tray next to the time display. Select Properties, then Display. Drag the icon to the blue title bar of the CapNSend display on the screens. Click Apply, then OK.
- Run the Access Grid Venue Client shortcut on the desktop to launch the Access Grid. Click on Go, then navigate to venue SMS USydney (under USydney Lobby).
- Turn on Talk (in RAT) and check that the RAT audio setting is set to Mic Volume.
- In the chat window announce VNC connection details - gridwbrd.maths.usyd.edu.au and gridroom.maths.usyd.edu.au, both with password mathconf
- Adjust cameras using AMX panel so that the lecturer appears centred on the lectern camera and the audience appears on the front right camera
- Move the audience and lecturer displays to the Front L screen and the remote audience display to the rear screen (in front of the lecturer)
- Start recording the lecture using AGVCR (from the shortcut on the desktop) if requested by the lecturer. See below under SPECIAL PROCEDURES.

Whiteboard PC

- Re-calibrate the Mimio (the whiteboard). Click the bottom button on the Mimio control (to the left of the whiteboard). With the electronic pen click each X in turn as prompted on the screen
- Start a VNC session to gridlect (the MAC Mini). Using the electronic pen click on the VNC shortcut appearing on the whiteboard display. Note at the time of writing this is not working properly. If this remains the case start a VNC session to gridwbrd from the Access Grid PC (gridroom) using the VNC shortcut on the desktop, then click on the VNC shortcut to gridlect from the gridwbrd window that opens up. In either case make the session full screen by clicking on the full screen icon on the menu at the top. The gridwbrd VNC window can then be closed.

At The End Of The Lecture

- Save the lecturer's notes as written in the OneNote section on gridlect as a .one file on gridlect (drive C). Open a new section for the next session (if there are later sessions following). Otherwise close OneNote.
- Turn off the two tablets.
- Put the mouse back into the charging stand and the electronic pen back into its holder.
- At a later point convert the saved .one file to PDF and send both files to the lecturer.
- From the Access Grid PC (gridroom) close the CapNSend window.
- Click on the shutdown.bat shortcut on the gridroom desktop to close the gridwbrd VNC. However at the time of writing this is not working, so start a VNC session to gridwbrd from gridroom, activate the CTRL and ALT buttons on the VNC toolbar by clicking each in turn , pres SHIFT+F together, deactivate the CTRL and ALT buttons by clicking each in turn again, close the VNC to gridlect from gridwbrd and close the VNC to gridwbrd from gridroom.
- Close the Access Grid venue client
- Press EXIT on the AMX panel, then confirm shutdown.
- Turn off the air conditioner, if on.
- Turn off the lights.
- Lock the door (note that the door will lock itself at approx. 5:15 p.m.)

SPECIAL PROCEDURES

Displaying and Sharing Lecturer's Personal Computer Screen

Sometimes some lecturers wish to share their personal laptop screen to students. Please arrange this with the lecturer before the lecture starts.

- Install VNC server on lecturer's laptop. For a MAC go to System Preference, then Sharing and tick "Share Screen". Go to the Advanced option and enable VNC access. For a Windows laptop install a copy of [TightVNC](#) server.
- Plug the Ethernet cable into the lecturer's laptop and note the IP address assigned.
- Launch TightVNC Viewer from the tablet. Key in the IP address noted previously and

the password assigned to the VNC server.

- Alternatively plug the laptop into the blue VGA cable near the lectern. Then at the AMX panel press the laptop icon and the screen that you wish the laptop to be displayed on. The laptop display will then appear on the chosen screen.

Recording an AG session

- On the AccessGrid PC, check that AGVCR is in the "Application Sessions" tree. If not, go to Venue-->Start Application Session-->AGVCR Launcher.
- Double-click AGVCR in the "Application Sessions" tree.
- Go to the "Record" tab.
- Choose a new filename for the recording and saves it to C:\LecturerVideos
- Click the "Record" button to begin recording.
- Don't forget to stop the recording after the session!

Sharing only a portion of a screen

Sometimes it is useful to share only a portion of your screen. For example, PowerPoint has presenter's view and slides view. When run on a dual screen monitor, they will appear side by side but the presenter may only want to show the slides part to the audience.

- Go into UltraVNC server properties.
- In the "Single Window Sharing" property, tick "Share only the server window named:", and fill in the window's name. To find out the window's name, go to the Task Manager's Applications tab.

Configuring for PowerPoint Presentation

A PowerPoint presentation usually only requires one side of the screen (the side that shows the slides) to be shared while the presenter's view is kept private to the presenter.

From the gridwbrd machine, launch UltraVNC Viewer (connecting to gridlect). On the viewer's toolbar, click on the "monitor" symbol until the desired screen that is to be shared appears.

Troubleshooting

- **There is no audio**

Check that the RAT is running, with the Talk button enabled.

Check that the RAT is configured to Mic. Volume.

If the RAT has died re-start it by disabling then re-enabling Audio from the Access Grid client menu (4th button from left)

- **The video does not start**

If you see “waiting for video” when the client program starts up check that it is running multicast (from the Tools menu)

- **The video crashes**

This happens when the vlc.exe program crashes. Try closing the Access Grid client and then starting it up again. If the problem persists a reboot of the gridroom PC may be required.

- **Other sites can't hear us (or we can't hear them)**

Adjust the volume using the slider bars in the RAT

- **One or more screens has no display**

Try rebooting the gridroom PC.

- **Echoing**

This usually indicates a fault at remote sites, although we may need to mute the remote site, only enabling audio from them when necessary.