

Equipment Element

Operational Cable Functions

Zoom Host Lap Top Computer

1. Allows the OLLI Zoom Host to preform all operational Zoom functions for OLLI class sessions.
2. Allows the Host to move the Zoom presentation window (PC Screen 1) to the front wall projector screen (HDMI-2), using the Wall 4 by 4 Switch (IN-1) to (OUT-A).
3. Allows the Host to move the Zoom Meeting window (PC Screen 3) via HDMI cable connected to the front flat screen TV (HDMI-2). The Zoom meeting windows shows all Zoom session participation pictures.
4. Allows the Host to move the Participation Scree and Chat Screen to the Lap Top Computer window screen (PC Screen 2).
5. The Lap Top Computer is connected via USB cable to the Front Room Camera (CAM-2) for the Zoom session. The CAM-2 Camera provides video pictures of the TA 1 audience.
6. See the on-line Zoom Profile and Zoom Help web pages for detail Zoom operational functional switching information.

Zoom Audio Mini Tower Computer

1. The Audio Mini Tower Computer controls all the Zoom session sounds and related TA 1 class room sounds (both microphone input and speaker outputs). The Audio computer is set up by the OLLI staff.
2. The Mini Tower Computer will show the Zoom session Meeting window on the Podium monitor. The Podium monitor screen shows all Zoom Session participation pictures.
3. The Mini Tower Computer is connected via HDMI/USB cables to the Back Room Camera (CAM-1) for the Zoom session. The CAM-1 Camera provides video pictures of the Zoom TA 1 class room presenter briefer.
4. The Mini Tower Computer is connected via 3.5mm/(1/4) type cables to the sound mixer (MixWizard3) to allow all the Zoom session participates to hear all the TA1 room's microphones sounds.
5. The Mini Tower Computer is also connected via 3.5mm/(1/4) type cable to the sound mixer (MixWizard3) to allow all the TA1 Room participates to hear all the Zoom session participates microphones sounds.
6. See the on-line Zoom Profile and Zoom Help web pages for detail Zoom operational functional switching information.

Zoom Presenter Lap Top Computer

1. Allows the Zoom Presentation briefer to preform limited operational functions for Zoom sessions.
2. The Lap Top output HDMI socket is connected via HDMI cable to the Wall 4 by 4 Switch (IN-3). The HDMI port may be used to send Zoom window displays via the Wall 4 by 4 Switch to the WU5603 Projector's HDMI-1 OR HDMI-2 input sockets.
3. The Lap Top input USB socket is connected to a Power USB 3.0 Hub. The Power USB 3.0 Hub is used to receive video pictures via a HDM to USB adapter from the Lumen PS 752 Docucam.
4. See the on-line Zoom App's setup pages for detail Zoom operational functional switching information.

Equipment Element

Operational Cable Functions

Visitor Stand Alone Lap Top Computer

1. Allows the Stand Alone Presentation briefer to preform limited operational functions for Zoom sessions.
2. The Lap Top output HDMI socket is connected via HDMI cable to the Wall 4 by 4 Switch (IN-3). The Lap Top HDMI port is used to send Lap Top Computer window displays via the Wall 4 by 4 Switch to the WU5603 Projector's HDMI-1 OR HDMI-2 input sockets
3. See the on-line Zoom App's setup pages for detail Zoom operational functional switching information.

Lumen PS 752 Docucam

1. Allows a camera to show object pictures off a physical platform on to a computer screen or a projector screen.
2. The Docucam output HDMI socket is connected by HDMI cable to a HDM to USB adapter. The HDM to USB adapter is connected by USB cable to a Power USB 3.0 Hub, which in turn via USB cable connects to a USB Socket of the Zoom Presentation Lap top Computer. See the on-line Zoom help setup pages for detail Zoom operational Web Cam picture setup information.
3. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail viewing of the Lumen PS 752 Docucam manual for operational functions information. Docucam uses a hand remote device to select camera option settings.

Hitachi / Maxell WU5603 Projector

1. Projects Lap Top Computer Video pictures to the TA 1 Front room's wall screen. Access to the projector is via two HDMI Cable output sockets in the Wall 4 by 4 Switch (Out-A) and (Out-B).
2. Projector input port HDMI-1 option via Wal 4 by 4 Switch (OUT-A) also connects to HDMI-1 socket of the back wall flat screen TV.
3. Projector input port HDMI-2 option via Wall 4 by 4 Switch (OUT-B) also connects to HDMI-2 socket of the back wall flat screen TV.
4. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail Hitachi / Maxell WU5603 Projector manual for operational functional information. Projector uses a remote device to select screen viewing settings.

J5create HDMI-USB adapter

1. One way HDMI cable converter to an USB cable.

J5create-USB-HDMI display adapter

1. One way USB cable converter to a HDMI cable.

Equipment Element

Operational Cable Functions

Andrea USB-SA sound adapter

1. Converts a microphone 3.5mm cable and a stereo sound 3.5mm cable to an USB cable.

25 dB line stereo attenuator

1. Noise filter for microphone 3.5mm cable.

Bogen Gold Seal GS-60 PA Amplifier

1. Microphone amplifier to provide sound to the TA1 room's six ceiling speakers.
2. The amplifier gets it's microphone sound and Zoom output sound via a cable connected to the sound mixer (MixWizard3).
3. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail Bogen Gold Seal GS-60 PA Amplifier manual for operational functions information.

Onkyo TX-NR515 AV Receiver

1. The receiver/amplifier provides surround sound to the TA1 room six wall speakers and a sub woofer speaker.
2. The receiver/amplifier gets it's microphone sound and Zoom output sound via a cable connected to the soured mixer (MixWizard3).
3. The receiver/amplifier gets it's surround sound via a HDMI cable connected to the wall 4 by 4 switch (OUT-B).
4. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail Onkyo TX-NR515 AV Receiver manual for operational functional information.

Monoprice Blackbird 4K Pro 4X4 True Matrix HDMI

1. The Wall 4 by 4 Switch allows switch options between the Projector screens, back wall flat screen TV, three computer Lap Tops, and the Docucam.
2. Input (In-1) connects to the Zoom Host Lap Top (output USB socket) .
3. Input (In-3) connects to the Zoom Presenter Lap Top (output HDMI socket)
4. Input (In-4) connects to the Docucam (output HDMI socket).
5. Output (OUT-A) connects to the Projector screen (HDMI-2).
6. Output (OUT-B) connects to the Projector screen (HDMI-1).
7. Output (OUT-C) connects to the Presenter's Lap Top (input USB socket).
8. Default Wall 4 by 4 Switch settings are as follows:
(IN-1) to (OUT-A) (IN-3) to (OUT-B) (IN-4) to (OUT-C)

Equipment Element

Operational Cable Functions

Huddle Cam 20X USB3 Camera

1. The Front Room Huddle Cam Camera (CAM-2) is connected to the Zoom Host Lap Top Computer for the Zoom session. The CAM-2 Camera provides video pictures of the TA 1 room's audience.
2. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail Huddle Cam 20X USB3 Camera manual for operational functional information. The CAM-2 Camera uses a remote device to select camera settings.

Huddle Cam SimplTrack 20X USB3 Camera

1. The Back Room Huddle Cam Camera (CAM-1) is connected to the Zoom Audio Mini Tower Computer for the Zoom session. The CAM-1 Camera provides video pictures of the TA 1 room's Zoom presenter briefer.
2. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail Huddle Cam SimplTrack 20X USB3 Camera manual for operational functional information. The CAM-1 Camera uses a remote device to select camera settings.

Allen&Heath MixWizard3 16:2

1. See the OLLI Audio Visual and Classroom Computer Equipment web pages for detail MixWizard3 16:2 manual for operational functional information.
2. See the next page for details on how the MixWizard3 16:2 channels, Auxiliary Outputs, and main outputs are connected to all the various Zoom AV computer operational equipment.

