

Connecting and framing the Camera (Axis)

Step 1: Open the Camera (Axis) shortcut in browser. If the webpage is already open, make sure to hit refresh. **Username:** backstage; **Password:** Capitalized name of hall (Pollack, Tanna, Redpath)

Step 2: Reframe as needed depending on ensemble. There is a Zoom In/Out bar at the bottom of the camera's display. The target at the center of the camera can be clicked and dragged to adjust the angle. Alternatively, double click on an element to center the camera on that element.

Note: There is a settings menu at the bottom right of the Camera (Axis) page, if additional adjustments are needed.

Setting up Wirecast

Step 1: Open the Wirecast shortcut on the computer. Open the prepared OneTouch shortcut OneTouch_*Hall*_Wirecast on the desktop.

Step 2: Layer 1 (Top) should be reserved for the Schulich Logo (Bug).

Step 3: Layer 2 should be used to add intro, intermission, and outro title cards. To add them, click the plus sign on Layer 2, select Media Files > Browse Disk, and select the cards you want to add.

Step 4: Layer 3 should be used to add the video feed. Click the plus sign on Layer 3, select Video Capture > Device: Black Magic Studio Recorder.

Step 5: Check the sound on stage by having someone clap. You should see a reaction on the audio meters to the left and right of the preview and live screens.

Step 5: Click on different elements in the layers to add them to the preview, this does not change what is being webcast to YouTube yet. Once the correct elements have been selected on the preview screen, use the space bar to transition from preview (left side video) to live (right side video).

Note 1: If the video does not show up after completing Step 3, make sure it is powered and plugged in to USB (white LED), if it is then reboot the computer.

Note 2: If you see jagged lines in the video layer. Select the video feed in the layers by clicking on the Black Magic Studio Recorder element. Click this ☹ button at the top left of the window to show "Black Magic Design Properties". Deinterlacing should be set to Blend Mode (Deinterlacing Video). Format Detection should be set to Automatic. See [Deinterlacing Video](#).

Setting up the YouTube event

Step 1: Open YouTube and select channel to broadcast. All Graduate and Undergraduate Recitals will be broadcast from the SSoM at HALL NAME channels, the Schulich School of Music channel will broadcast all other events (large ensemble, competitions, Schulich in Concert...).

Step 2: Click “Create” on the top right corner of the Youtube page, select “Go Live”, click on “schedule an upcoming broadcast”.

Step 3: Navigate to the YouTube Studio, go to content, under the Live submenu, you should find your new event. Click the pencil icon to edit the event. Copy and paste event name from Music Events Calendar (www.mcgill.ca/music/events). In description, copy and paste name of instructor from Events Calendar listing and add next to **classe de / class of**.

Step 4: Make sure the date and start time are correct using the drop-down menus below the description field.

*Note: For recitals **only**: click the box Yes, this video is intended for children to disable chat and comment feature.*

For more info see [Building YouTube Event from Scratch Video](#)

Connecting Wirecast to YouTube

Step 1: In Wirecast select Output > RTMP Server. Select the 1080p 4mbps option.

Step 2: Navigate back to “Go Live”, as we did Step 2 of setting up the YouTube event. Find the event we created. Copy the YouTube Studio Stream Address and paste it in the address box of Wirecast. Copy the stream key from YouTube and paste it into the “stream” field in Wirecast.

Step 3: Perform a test to ensure Wirecast and YouTube are connected before we actually start the event on YouTube. To do this, click “start stream” on Wirecast, which is  this symbol. The preview on the YouTube event should show the output of Wirecast with a delay (about 30 seconds).

Step 4: To record the webcast on Wirecast go to Output settings> add an output > record to disk mp4 from dropdown menu > 1080p from the dropdown menu (first option) > choose save file location > press Browse > Winter 2020-2021 1-Touch on left hand menu (D: drive) > add to correct folder for that event > add to “recording” sub folder > in File Name field at bottom of screen, name it accordingly.

Step 5: Once returned to previous screen, press OK and path is created — to start recording, use the button at the top of the Wirecast screen with the “recording” icon (circle in circle) beside the stream button. YouTube will not go live yet!

For more info see [Linking YouTube to Wirecast Video](#)

Saving Wirecast setup before recital

To name files: **OT_20210331p2000_LafranceViviane** (Naming Files Video)

OT : One touch

20210331: Date (YYYYMMDD)

p: Hall (p = Pollack, t = Tanna, r = Redpath)

2000: Time of event 24hr format

LafranceViviane: Event name

For more info see [Naming Files Video](#)

Starting Recital

Step 1: Start live broadcast in YouTube 5 minutes prior to recital beginning. Inform Stage Manager. *Note: In Wirecast Lower the sound to nothing (Wirecast - orange slider on the right of the screen) and fade up as the artist enters the stage. Fade out as they exit post event.*

Step 2: The opening screen is the video feed, the Schulich logo on the bottom of the screen and intro title card. Once the performer is in place, clear the slide in preview; press space bar to take intro card off the screen

Step 3: When the performance is over (AND YOU ARE SURE IT IS!) fade in the ending slide and slowly fade out the live sound to silence.

After Recital

Step 1: Wait for the 30 second time delay and then stop broadcast on YouTube THEN stop stream in Wirecast THEN stop recording in Wirecast.

Step 2: Open finder and choose Chernobyl (MLAPS) from Network Locations > One Touch Recordings > Fall 2021 > *Hall* > take all of the folder from the corresponding recital (once the recording has been uploaded); drag & drop.

Step 3: On YouTube, change the live event from **Public** to **Private**.

For more info see [Saving data to central Drive Video](#).

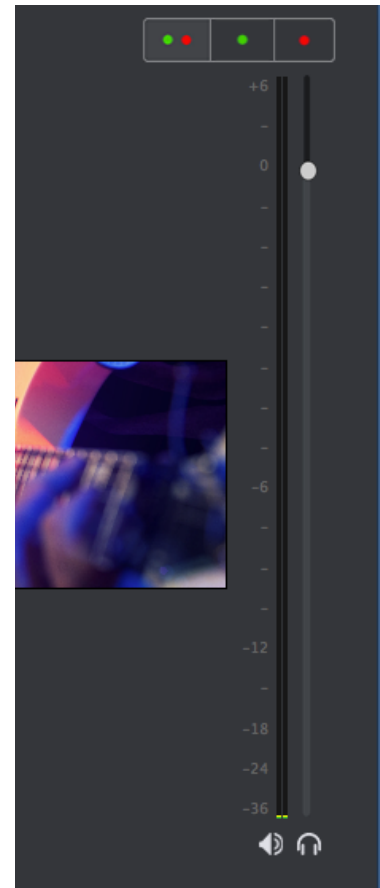


Figure 1 - Slider to lower before the recital