

Projecting and Streaming Guide

Plug all the things in:

1. Laptop
 - o Projector (HDMI)
 - o Sound desk (USB)
 - o Modem/router (Ethernet)
 - o The clicker receiver (USB)
2. Raspberry Pi - Place Pi on table, but not directly on the metal.
 - o Keyboard
 - o Mouse
 - o TV (HDMI)
 - o Power Adapter
3. Connect your phone to the router via Wifi

Projector Instructions: **You should only have to interact with the buttons in the red boxes in the photo below.**

1. If Key Lock is on: Press and hold the key lock button, the prompt on the screen changes and the key lock light turns off.
2. If the projector says "Standby": Press and hold the power button (directly **below** the Key Lock button) until something changes (It will say powering on or something similar).
3. If the projector says "Lamp Off": Press and hold the light bulb looking button underneath KeyLock for a few seconds or until something changes on the screen.
4. Once the lamp is on and the projector is no longer in standby you can switch to the laptop's feed: Press and hold the "DO USER" button (Beneath the lightbulb button) for a few seconds. It will change to green when activated.
5. You should now be able to change the input, the laptop will be connected to either 7 or 8, simply press the number for a few seconds and the input will change.



Laptop instructions (After everything is connected):

1. Begin recording on Audacity (Make sure the selected audio input is X-USB)
 - a. Simply open audacity and click the red record button
2. Open the sunday sermon folder on the desktop and find the presentation with today's date in the name.
3. Start the presentation and check that it's visible on the cinema screen.
4. Open OBS and make sure x-usb is the selected audio for input.
5. When the Raspberry Pi is setup, click stream on **left** of the screen and continue the raspberry pi steps below.

Your phone Instructions (Once you're connected to the same wifi network):

1. Go to <http://obs-web.niek.tv/#192.168.1.110:4444>
 - o Password: citycity
2. Make sure the scene selection/etc is working as expected.

Raspberry Pi instructions:

1. Click the "start button" (Top left corner)
2. Select sunday stream (I can't remember the exact name)
 - a. A VLC window should open and immediately start playing a copy of the live stream.

Checklist:

- The correct audio is streaming - Note: It must be X-usb (Behringer) and **NOT** IVCAM
- Audacity if recording - Note: It must be X-usb (Behringer) and **NOT** IVCAM
- The projector is on and working
- Each OBS scene is displaying the correct thing
- The presentation is showing all the relevant information, check with the Worship leader.
- The Raspberry Pi is working
- You can connect to the remote-control link and operate scene changes

Teardown:

1. Stop the OBS stream:
 - a. Click the "Stop Streaming" button on the bottom right of OBS
2. Stop Audacity Recording:
 - a. Click the 'square' stop button at the top of the Audacity screen
 - b. Save the audio file; Click 'file', 'Export'
 - c. Save the file with the following naming structure at "insane 320kbps" setting
 - d. YYYY/MM/DD_Sermon-Series_Biblebook-1v1-2_Preacher.mp3
3. Upload the sermon recording to the FTP site:
 - a. Follow the "Uploading Sermon Recording" procedure manual
4. Close all open applications
5. Unplug all devices from laptop
6. Pack away all cables and wireless router
7. Pack away Raspberry Pi and accessories