

How to Simulcast the Digital Rally for Philly Arts Livestream

Source of Feed: <https://www.mobcrush.com/raveneyes>

Follow RavenEyes/James Jackson on [Facebook](#), [Instagram](#), and [YouTube](#). Subscribe to updates so you can be notified when we go live. Promote the fact that you'll be participating on your own social media channels. Prep for the day of the event by downloading the recommended software and testing your broadcasting skills. Sign up on our [Rebroadcaster Form](#) so that we know you'll be participating and so that we can acknowledge your participation during the event.

- Download:
 - OBS Studio
 - Periscope (on your phone)
 - iShowU audio capture (if you're a Mac user)
- Sign up for:
 - Mobcrush (as a creator)
 - Twitch
 - Youtube (and go to the streaming dashboard at least 48 hours before the event)
 - Facebook
 - Periscope
- Setup:
 - Mobcrush - add all of your social media accounts
 - Add Periscope as your custom streaming destination on Mobcrush
 - Open a video stream on any service that you have permission to rebroadcast (if you are having trouble finding one, contact us and we will make one available for your testing time)
 - On the Mac OS computers, set your audio output for your chosen stream as iShowU Capture (or create a new MIDI device that has iShowU Capture as one of the output methods)
 - Make the video full screen, and launch OBS Studio
 - Add a source in OBS that is the streaming video window
 - Start streaming
 - Check each account on another device to ensure you see and hear the test video
 - Contact James (jjackson@light-thief.com) for troubleshooting if needed
- You will be using OBS Studio to capture the original feed and to stream it out of your computer to your Mobcrush account. Mobcrush will re-broadcast your stream to all of your social media accounts at the same time. On the day of the event, about an hour before any live content, the original feed stream will go live. You can join in any time and start your live stream. We ask that you leave your

live stream running for the duration of the event. We ask that you don't alter the video from what was sent out on the live stream. You may monitor the live stream and stop or pause it as you wish.

- You may use as many or as few of the social media accounts as you like, but the more the better.
- If you have multi-casting set up through another service (Vimeo, Restream.io, etc) already there's no need to add Mobcrush to your repertoire though you may want to sign up for it just as another stream destination.

- Preparation:

- Recommended hardware and software setup:

Internet: It is highly recommended that you connect your computer through a wire directly to your modem/router bypassing any other routers and turning off wireless networking on your computer.

Audio:

- Download and install iShowU audio capture:
<https://support.shinywhitebox.com/hc/en-us/articles/204161459-Installing-iShowU-Audio-Capture-Mojave-and-earlier->
- Create an aggregate output device in Apple Midi Setup Utility if you would like to be able to hear the stream while re-streaming it. You'll want to create a device that has your preferred typical speakers and the iShowU Audio capture

<https://support.apple.com/en-us/HT202000#:~:text=Set%20up%20an%20Aggregate%20Device&text=From%20the%20Finder%2C%20choose%20Go.left%20side%20of%20the%20window.>

Warning: Using this output device as your system output device means you will have no control over the volume of the stream on your computer and will have no way to turn the sound off during the re-stream. We recommend you watch/monitor the stream on a separate device and use the iShowU audio output as the system sound output for the duration of your stream

Video:

- Highly recommended to set your computer up with two monitors (or an external monitor and the built in screen if you're using a laptop)
- Open the primary stream in full screen on the secondary monitor... make sure it is in theatre mode or full screened in such a way as to remove

comments and reacts. This will be your OBS source so you'll want to set it and keep it as clean and as large as possible

- Set up your mobcrush account well in advance. You'll need the mobcrush settings the first time you run OBS
 - After OBS initial setup check the following settings in preparation for streaming
 - In OBS preferences > Video: set your base canvas to match the resolution of your external monitor (typically 1920x1080). Set your Output Resolution to 1280x720. Set your FPS value to 30
 - In OBS preferences > Output: Set mode to Advanced. Under Streaming set audio track to 2. Set Encoder to a hardware encoder if you have one (it will show up in the drop down if your computer has it available) Leave Enforce streaming service encoder settings checked. All other settings may be left to their defaults.
 - Under "Sources"
 - add a "Display Capture" of your second screen
 - Add an audio input capture for the iShowU audio capture if it isn't already on the audio mixer list
- To test or begin a stream:
 - In System Preferences > Sound:
 - Set your input to iShowU Audio Capture
 - Set your output to either your Aggregate device or iShowU Audio Capture
 - Open mobcrush.com and go to I Am A Creator... log in to your account
 - Turn on all stream destinations that you have accounts for
 - Be sure to set up Periscope as a custom stream destination and check off "Use Custom Stream Destinations" and turn Periscope on
 - Target your facebook page if you're an organization or target your personal wall if you're an individual
 - Click the box for Stream Duration 8hrs+
 - Click the box for Mature Broadcast
 - Set the category to "Just Chatting"
 - Set your broadcast title to:

Digital Rally for Philly Arts - #SavePhillyArtsandCulture #DefundPPD
(or other appropriate title when testing)

- Set your broadcast description to:

We choose to wield the power of the arts to stand in solidarity, to speak as one, and advocate for a city budget that uplifts the people of Philadelphia! #SavePhillyArtsAndCulture #DefundPPD

(or other appropriate description when testing)

- Be sure to click Save Broadcast Info
- Open Periscope in a new tab on your browser, click on your avatar, and go to “Producer”. Leave this screen standing by as you execute the next steps
- Open the streaming content on your secondary screen and make it full screen
- Open OBS on your computer’s main screen. Ensure you see the picture from your secondary screen and that if there is audio playing on your computer you can see it in the iSeeU Source in the audio mixer.
- Click start “Start Streaming” to begin streaming
- Go to your periscope.tv producer tab in your browser and refresh. Mute the audio on screen as soon as your player appears (or you will get odd echoing) You should see your streaming video in the onscreen player. Click start streaming, this will create a periscope.tv stream and if you check it off, it will also create a post on twitter for you. You can now close this tab.
- In the mobcrush studio tab, click on “Popout Unified Chat” This will open a small chat window that will allow you to monitor all chat interaction on all channels.
- On a separate device (cell phone, other computer) check each stream location you’re sending out to to ensure the stream is working
- On the day of the event, if you’re able to moderate comments for each stream: We recommend keeping your mobcrush unified chat open on your streaming computer, and having moderators on separate computer(s) logged in to each streaming destination. If one person would like to moderate multiple destinations, we recommend you pause the playback on all the streams, the comments will continue to be visible as they come in, and you will not therefore be using your bandwidth to get the stream content multiple times.