

Assumptions:

You have a Logitech C920 webcam.

You are using Logitech G-Hub software. (Now referred to in these notes as LGH) According to a video from last year, this software only works with the C920, the C922 and the Brio. If you don't mind setting your parameters EVERY TIME EVEN THOUGH THE LIGHTING IN YOUR ROOM IS THE SAME...just use the standard Logitech software package. It is not that big a deal. You can take a picture of your settings or write them down and re-enter them each time. Or you can use Logitech G-Hub which is designed for gaming with the side benefit of more granular control of settings and will retain the settings once made. Your choice.

You are using Zoom. You are using OBS studio.

I am not an expert. I am still playing around to get the right look. I learned all this from YouTube and some web searches. OBS is a product developed by one guy back in 2014 or 2015. It is not traditional shareware. It is free. The project is supported in two fashions. One for large corporate sponsors. The other is for individuals through the Patreon platform. It is optional. The minimum contribution is \$2 a month. I am doing that. The original developer is the recipient. The nature of projects like this is they depend on others to provide helpful support to users. You will notice that there is a community forum and a seemingly unlimited number of videos on YouTube.

The website is OBSproject.com. Here you download the appropriate software. You will need to download the virtual camera plugin too. Be sure that you get the right one. Moving on, click the blog tab. The first thing you see is "Five Simple Tips for New Streamers. The first paragraph refers to their quick start guide and a YouTube video series put together by Nerd or Die. Here is the link for the Nerd or Die. https://www.youtube.com/playlist?list=PLT3Ure7_kYHwj8oT3AV-pZ4_r7yp6mDg-

YouTube OBS videos used by Ed Taylor in his OBS course. https://www.youtube.com/playlist?list=PL-VEhXVJdff3lBrYxZBX3c5_TMwo2_Nma

YouTube videos that I have found helpful for Logitech webcam settings.

<https://www.youtube.com/playlist?list=PL-VEhXVJdff00mhTTjE4qnD0Uo8i2mtWd>

Independent (from separate parties) Youtube videos that I have found helpful for OBS. <https://www.youtube.com/playlist?list=PL-VEhXVJdff0sLRveDqLqCtD0Xu-3tcPE>

Webcam: want to know everything about your Logitech webcam? Go to the end of the cord where USB plugs into the computer. There is a tag there with an M/N number. Mine is V-U0028. Go to Logitech Support. <https://support.logi.com/hc/en-us> Enter your M/N. Look for specifications on the left and click that. Or...just know that the C920 is 78 degree wide angle view. This is a common standard. A "wider" wide angle view if more like 90 degrees.

I opened my LGH and THEN opened OBS. Why can't I see my image in OBS? It is because OBS correctly thinks that the webcam is being used by other software...in this case...my LGH. Same with having zoom open first with webcam in use. OBS will not be able to access your webcam. Open OBS first. The webcam can serve but one master.

Open OBS first while the webcam is not in use. (The light is not on.) Now OBS is using the webcam and the light is on. Now open LGH. Click the camera icon and then create a "new camera mode" in the settings on the left. Oh wait....I can't see my image in LGH. Why? Because OBS is using the webcam. Doesn't matter. Split your screen. Minimize OBS and put it on the left side of your screen. Put LGH on the right side and slide it offscreen enough that you can see your image on the left in OBS and the LGH settings on the right side. Change settings as desired; it will show up in your image in OBS in real time. (This is all assuming that you have your lighting set up the way it will normally be.) To save the LGH settings, hit the little arrow that backs you out of the settings. If final tweaks are needed, you can do that in OBS.

In OBS, create a profile and a scene collection. Export each one to a place on your hard drive. Why? Have you ever had to uninstall and re-install a program? And you lost your settings? Don't want that to happen. Then go to tools and start or activate the virtual camera which you should have by now. It automatically installs after you have downloaded the plugin. At this point as a test, you should be able to go to zoom. Select the virtual cam. No picture? You probably forgot to go to virtual backdrops and click the icon that says none or doesn't show an image.

OBS - the heart of the software is the scenes and sources. Sources are..well...sources. Scenes are a collection of sources. Got a video that you can use? Upload it to scenes and loop it. You will have to figure this stuff out but basically it seems to work like this. When you add the webcam, you will be able to go to properties and create all kinds of settings. Some of the settings are better dealt with by adding filters.

Hope this helps.

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