Recording Using OBS Studio

OBS Studio is a free program that can be used to record programs and save them as mp4 files.

The OBS Display

Figure 1 shows the OBS display on the Booth Laptop computer.

If there is no video image on the Laptop, follow the instructions later in this document to select the desired video source.

Figure 1: OBS on the Booth Laptop computer.

Figure 2 shows the OBS display on the Booth Tower computer.

Note that OBS in the figure is set to Studio Mode. (#4)

The V800 Program Out scene has been selected (#1) and the V800 Program Out image is in the Preview window (#2). When OBS recording is started, it will record the scene shown in the Program window.

To move a scene from Preview to Program, select a Transition.(#7) Note the following features in the OBS display.:

➢ The current audio and video sources for the selected scene are shown in the sources window at #6.
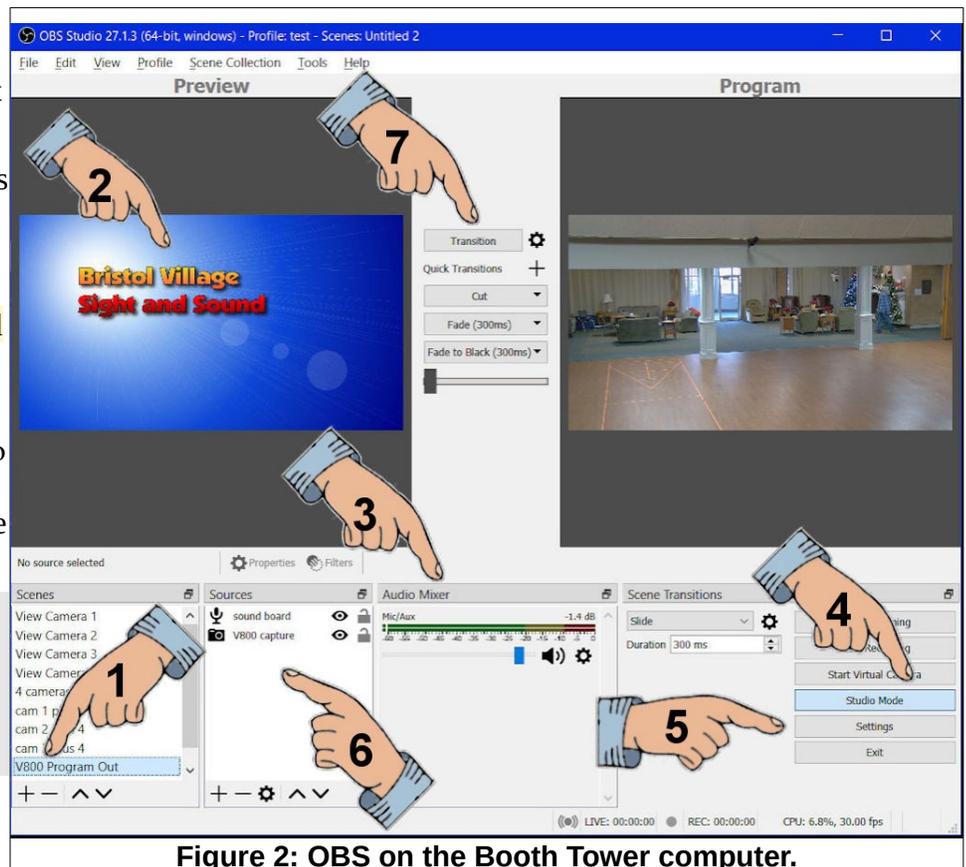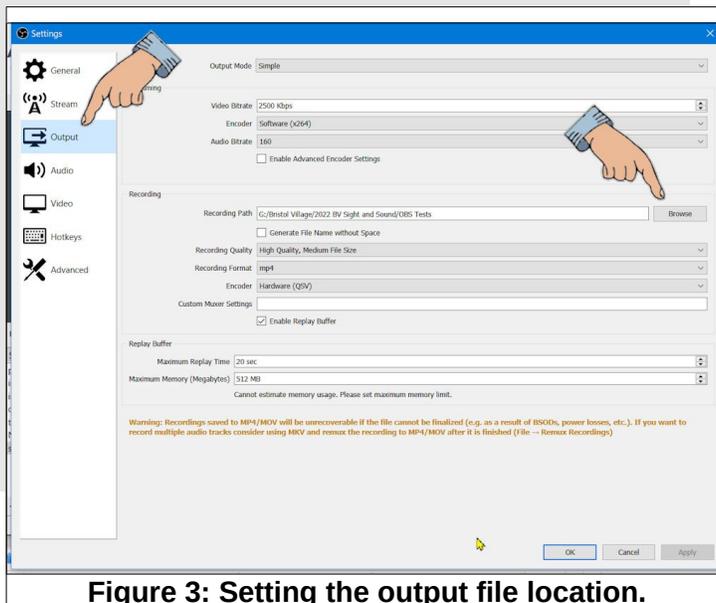

Figure 2: OBS on the Booth Tower computer.

➢ Audio and video sources can be removed by selecting a source, and clicking on the - button.

➢ Sources can be added by selecting the + button.

➢ Settings (including the recording Save As folder) can be adjusted by selecting the Settings option #5, selecting Output, and the using Browse to locate the desired folder (see Figure 3).

➢ If the audio source is active, the volume meter at #3 (in Figure 2) will show activity when the sound board is sending audio

➢ To Start and Stop recording, select the option at #5 in Figure 2.
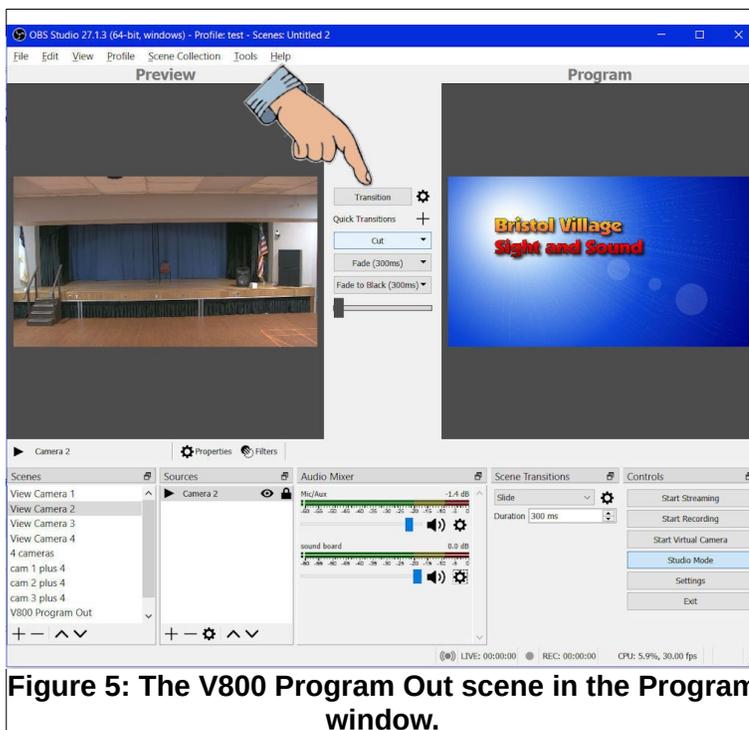

Figure 3: Setting the output file location.

NOTE: OBS will record the scene that appears in the Program window. The OBS Studio remembers the settings from the last user. In most cases, the settings will not have to be adjusted except for setting the path where a new recording will be saved.

Figure 4: Start Recording.

Figure 5 shows that the V800 Program Out scene has been moved from Preview to Program by selecting the Transition button.

Figure 6 shows a drop down list of transition options. Quick Transition buttons can be added by selecting the + below the Transitions button.

Figure 5: The V800 Program Out scene in the Program window.

Figure 6: Transitions.

Setting the file location for a new recording.

✔ Select the Setting option (option #5 in Figure 2).

✔ In the Settings dialog box, select the Output (#1) option.

✔ Check to make sure the Recording Format (#2) is set to mp4.

✔ Select the Browse (#3) option and set the location for the new recording.
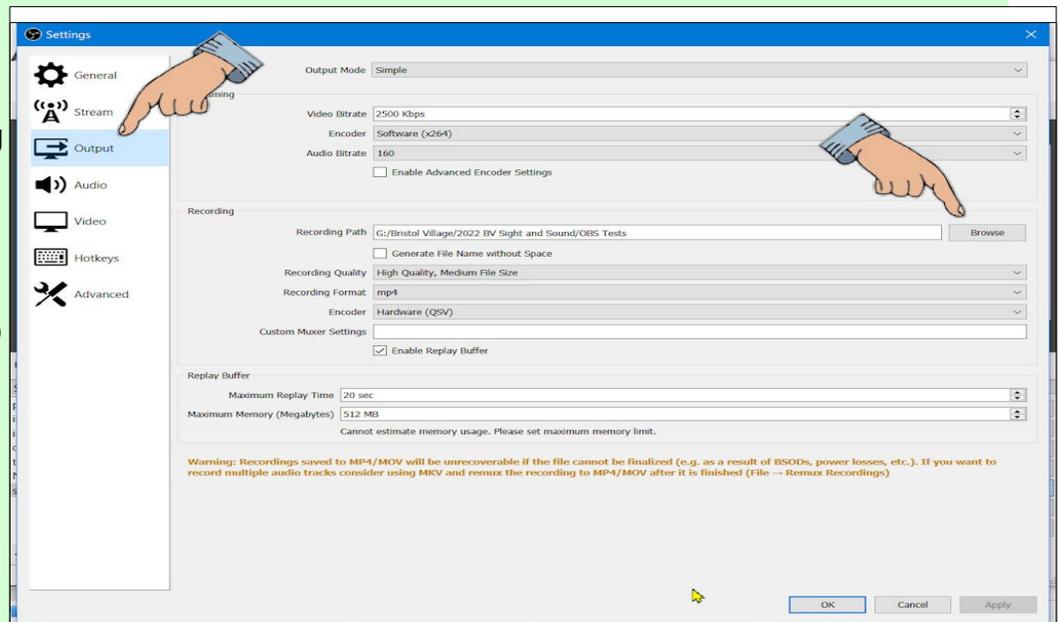
✔ Select OK to close the dialog box.

Figure 7: The Settings dialog box.

✔ If the OBS display shows the desired scene in the Program window, and the audio meter shows activity, you are ready to Start recording.

✔ When the recording is complete, select Stop Recording.

At this point the system will complete creating the mp4 file. When this process has completed, you can use File Explorer to select the mp4 file for viewing.
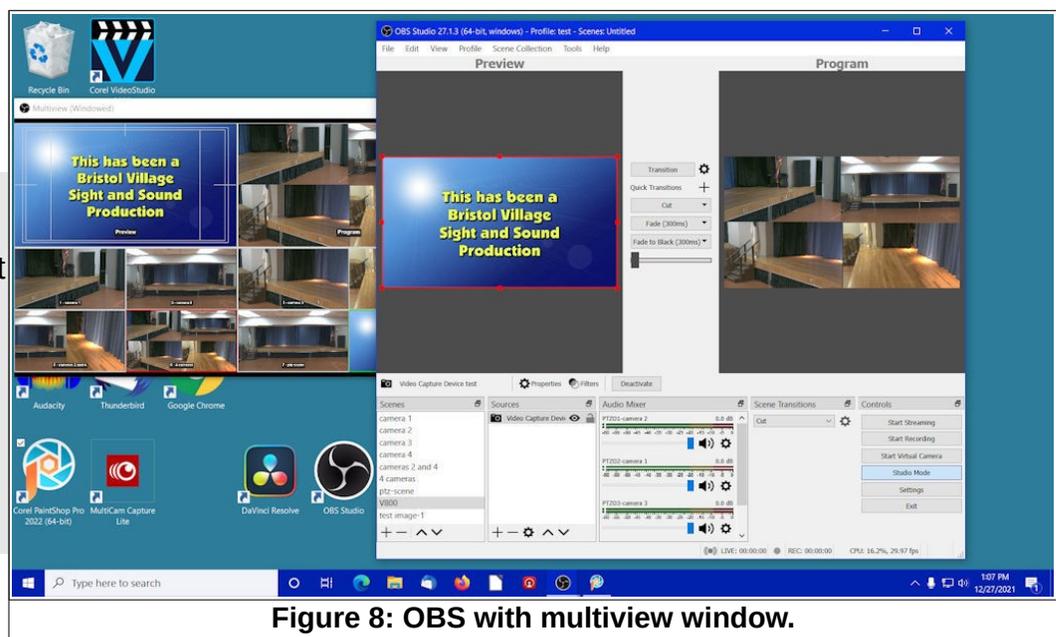
Advanced OBS Features

OBS characteristics

> ➢ OBS has a multiview window option. (see below)
> ➢ Each scene appears in a multiview window window.
> ➢ A scene can have multiple sources (color, text, VLC window, images, video capture device, or whatever) all arranged in the same scene. Or, it might have just a single image or source.
> ➢ In Studio Mode, the selected scene appears in the Preview. It is also highlighted in the Scene list.
> ➢ The Transition option sends the Preview image to the Program.
> ➢ Whatever is in the Program window gets recorded.

In the screen capture in Figure 8 you can see that 9 scenes have been created;

> ➢ a scene for each of the 4 cameras
> ➢ a two-camera split scene
> ➢ a four-camera split screen
> ➢ the current V800 (program) source
> ➢ a test image scene

Figure 8: OBS with multiview window.

To place a source in the preview window either select it from the multiview window, or from the scene list. (In Figure 8, the V800 source has been selected.)

To move a scene from the Preview window to the Program window, either select the Transition button or select a transition from the Quick Transitions list below the Transition button. It is also possible to define a hot key to execute a transition.

If the OBS studio is not showing the desired video source on the Booth Laptop, do this.

It is possible that the OBS video source has been changed or contact has been lost. If this happens, do the following:

✔ #1, Select the Video Capture Device source as shown in Figure 9.
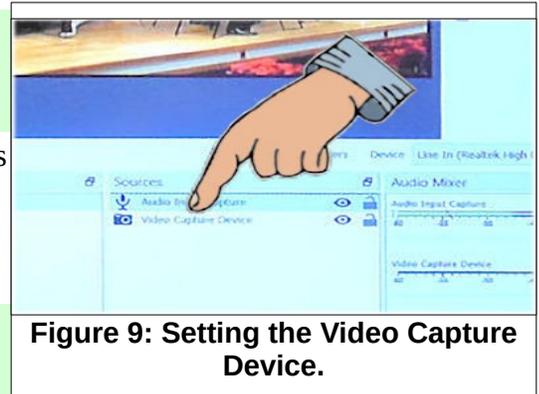
✔ #2, Select the Properties option.
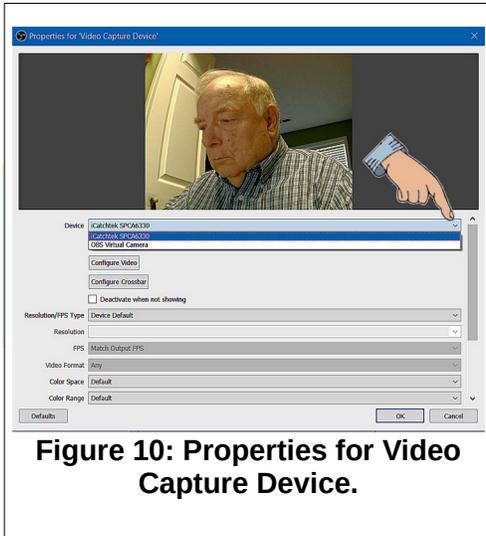

Figure 9: Setting the Video Capture Device.

This will open the Properties for Video Capture Device dialog box as seen in Figure 10.

✔ In the Properties for Video Capture Device dialog box, select the device pull down arrow and select the USB camera option.

Figure 10: Properties for Video Capture Device.

Note: if the USB camera device is selected but not displayed, select a different device option and then re-select the USB camera option. The screen capture does not show the USB camera because it was captured from a different system setup.

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