

## Introduction

It is no longer possible to record DVD's from the S&S Booth. Sound booth video recordings are now created as *mp4* video files. The mp4 files are recorded either on the *Booth Laptop* or the *Booth Tower* computer. There are a few people who want DVD copies of programs. DVD copies can be made by transferring the program mp4 file to the *Media Station* in the computer room, and then using a program called *DVD* Architect.

Figure 1 shows the path where	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	gs-Master List								- 0	× ^ ?
typical mp4 video files are located	Pin to Quick copy access	Move to * to *	New folder	™ New item ▼ Mew item ▼ Mew item ▼	Properties	en - it tory	Select all Select none Invert selection				
on the <b>Media</b>	Clipboard ← → → ↑ 1 > This PC > Medias	Organize Stn-VideoFiles (G:) > 2022-OBS-1	/ideo R	New ecordings-Master	Open List >		Select 🗸	Ö		Search 2022-OBS-Vi	deo Rec
Station com-	This PC		^	Name	^	Date	modified		Туре	Size	
puter. New files	3D Objects			2022 Enr	richment Hour	3/25/	2022 11:16 AM		File folder		
recorded on the	Documents			2022 Ext	ra	4/12/	2022 2:36 PM		File folder		
Booth Laptop or	Downloads Music			2022 Ge	nealogy :	3/25/	2022 11:17 AM 2022 1:02 PM		File folder		
Tower computers	Pictures			2022 Sp 2022 Ves	ecial spers	3/22/ 3/22/	2022 1:09 PM 2022 1:10 PM		File folder File folder		
should be copied	<ul> <li>Videos</li> <li>Windows (C:)</li> </ul>										
to the appropriate	MediaStn-F (F:)										
folder in the	2022 60th										
Media Station	2022-OBS-Tower-Video Recording 2022-OBS-Video Recordings-Mast	s-copies er List									
computer.	2022 Enrichment Hour										
	2022 Exercise 2022 Extra										
The path for	2022 Genealogy										
video files trans-	2022 RLF										
ferred from the	2022 Vespers										
Sound Pooth to	2022-TR-D-Month-Folders-folder	names base	~								-
	Figure	e 1: Media Sta	tio	n File E	xplorer	fo	Ider loo	ca	tions	S.	
the Media Station											

computer is as follows.

## ThisPC > MediaStn-VideoFiles(G) > 2022-OBS-Video Recordings-Master List >

There is a folder for each program (Enrichment Hour, Exercise, etc.) and each of the program folders has a sub folder for each month.

#### Creating DVD from mp4 file

## Recording Videos from the Booth

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**OBS** *Studio* is installed on both the Laptop and Tower computers in the booth. Before starting a recording, the **Settings**, **Output** option must be used to set the location of the new recording. If this step is skipped,

the new recording file will be hard to find.

Figure 2 shows the *Output* Recording Path on the Booth Laptop.

Recordings on the Booth *Laptop* should be saved on an external hard drive.

Recordings on the Booth *Tower* should be saved on Video Files Drive (D:) in a folder named 2022-TR-**OBS-Video Recordings** (see figure 3).

Observe that the file name prefix is TR-D for Tower recording files and **XHD** for files for Laptop recording files. After files have been moved, the prefix identifies the original source.

 To select or change the desired folder location for a recording, select the Browse button in the OBS Settings dialog box.

✓ In the Select Recording **Directory** dialog box, click one location back in the directory path, then select the desired folder.



Output Mode	Simple	
Streaming		
Video Bitrate	25 TK0ps Drive	
Encoder	So ware (x264)	dinge Folder
Audio Bitrate	16	anias Longe
	anable Advanced Encoder Stitings	<b>am Folder</b>
Recording		
Recording Path	E:/2022-OBS-Video Recordings/2022 XHD Special/2022-06-XHD June	Browse
	Generate File Name without Space	
Recording Quality	High Quality, Medium File Size	
Recording Format	mp4	
Encoder	Underson (000)	
Encoder	Hardware (QSV)	
Custom Muxer Settings Warning: Recordings saved to MP record multiple audio tracks consi	Instrumate (USV)  The state Reptay Buffer  MOV will be unrecoverable if the file cannot be finalized (e.g. as a result of BSODs, if rusing MVX and remux the recording to MP4/MOV after it is finished (File Remun)	power losses, etc.). If γου want to × Recordings)
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Custom Maxer Settings Custom Maxer Settings Warning: Recordings saved to MP- record multiple audio tracks consi	rationate (cor)  Enable Replay Buffer  /MOV will be unrecoverable if the file cannot be finalized (e.g. as a result of BSODs, j fer using MKV and remux the recording to MP4/MOV after it is finished (File → Remu	power losses, etc.). If you want to x Recordings)
Custom Maxer Settings Custom Maxer Settings Warning: Recordings saved to MP record multiple audio tracks consi	rationate (cor)  Enable Replay Buffer  /MOV will be unrecoverable if the file cannot be finalized (e.g. as a result of BSODs, j fer using MKV and remux the recording to MP4/MOV after it is finished (File → Remu	power losses, etc.). If you want to x Recordings) OK Cancel Apply







 Before closing the Settings dialog box, make sure the recording format is set to mp4.



OBS has an option for setting *hot keys*. Figure 5 (from the Tower computer) shows that the Insert key has been set to start and stop recording.

The advantage of using a hot key to start and stop recording is that *while OBS is running*, a different app (for example the VLC player) can be displayed full screen and OBS can start and stop recording even when OBS is not displayed.

Ganaral Fi	ter	Filter by Hotkey		
General				-
Stream	Start Streaming *		じ 由 + ·	
	Stop Streaming *		り 向 十・	
Output	Stop Streaming (discard delay)		り向十·	
	Start Recording *	Incert	 ກ <b></b>	
Audio	Stop Recording *	Incert	ວ <b>ຜ</b> +	
Video	Pause Recording *		 ວ	
	Unpause Recording *	-	0@  0@+.	
Hotkeys	Start Replay Buffer *		OBT	
	Stop Replay Buffer *		O四十: の商士。	
Advanced	Start Virtual Camera *			
	Ston Virtual Camera *			
	Stop VII to a la a			
	Enable Preview *		り 団 <b>十</b> ·	_
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	Show Source Toolbar *		5 ± +	_
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	Studio Mode		じ 🖞 +	_
	Transition		じ 🖻 🕂	
	Deret State		~~·	
			OK Cancel	400

# Using DVD Architect

Copy the desired mp4 file.

Figure 6 shows the Media Station File Explorer master list and prior cuick copy sub folders for each program category. Note that each pro gram folder has folders for month of the year. Here is a cal folder path for saving an mp4 file.

This PC > MediaStn-Video (G) > 2022-OBS-Video Red ings Master List > 2022 S cial > 2022-05-May

Paste the copied file in appropriate folder.

	Construction of the DC A Media Che Middae Files (CA A 200		and and Master Link A	2474	25	0	Carach 2022 OBC Video Bas
		22-063-VIDE0 Ke		×	0	2	Search 2022-OBS-Video Rec.
och	🤰 This PC	^	Name	Date modified	Ту	rpe	Size
	3D Objects		2022 Enrichment Hour	3/25/2022 11:16 AM	Fi	le folder	
vni-	Desktop		2022 Exercise	3/22/2022 1:40 PM	Fi	le folder	
J Pr	Documents		2022 Extra	4/12/2022 2:36 PM	Fi	le folder	
	Downloads		2022 Genealogy	3/25/2022 11:17 AM	Fi	le folder	
	b Music		2022 RLF	3/22/2022 1:02 PM	Fi	le folder	
	Pictures		2022 Special	3/22/2022 1:09 PM	Fi	le folder	
	Videos		2022 Vespers	3/22/2022 1:10 PM	Fi	le folder	
iles	windows (C:)						
	👞 MediaStn-F (F:)						
ora-	🚁 MediaStn-VideoFiles (G:)						
e-	🧵 2022 60th						
	2022-OBS-Tower-Video Recordings-copies						
	2022-OBS-Video Recordings-Master List						
	2022 Enrichment Hour						
	2022 Exercise						
20	2022 Extra						
ie	2022 Genealogy						
	2022 RLF						
	2022 Special						
	2022 Vespers						
	2000 TR D Month Folders folder names hase						

Figure 6: the Media Station File Explorer.

The mp4 file may or may not have to be edited. If editing is

required, review the 'Editing Vespers Videos' document found on the S&S Operating Manual web page.

M Copy path Paste Paste shortcut

https://bvres.org/sight\_and\_sound\_pages/opmanul\_22.html

Open **DVD Architect** with the shortcut found on the desktop.



When DVD Architect opens, it may show a previous project, or it may show the default untitled project. In either case, a new project needs to be created.

	Ø,	2	100	
Menu Based	Music/Video Compilation	Picture Compilation	Single Movie	6
Creates a disc with available.	n a single movie file	. No menus or other	media will be	
Disc format:	DVD			~
Disc format: Project video format	DVD : MPE	G-2 720x480-60i, 4:3	(NTSC)	~

New Project dialog box.



project.

ypically we create

ither *Menu Based* or *Single Movie* projects.

In the *New Project* dialog box, select the desired project type.



The process requires

Most of the time the project format will not have to be changed. Figure 8 shows the standard settings.As soon as the DVD project type has been selected, the **Open Media** dialog box will appear.

#### ✓ Select the desired mp4 file and then select Open.

Note that it will take a while for the audio track to fill in.

As soon as the file is opened the project should immediately be saved using *File, Save As*.

#### ✓ In the DVD Architect window, from the menu bar select File, Save As, and enter a location



Figure 9: The DVD Architect window.

two steps in the system. The first is that the system will render a new file for the program. For a Single Movie project the rendering step is a bother, since no edits or changes to the original file are required. If you were starting with a DVD, you could simply copy it. But, when you start with an mp4 file, the system needs to render that file. Once the rendering is complete, the system will proceed with burning the DVD.



### **Creating DVD from mp4 file**

#### ✓ Select the Current Project option.

It is a good idea to create a new folder with the name of the program. If, at a later date, you need to make copies, you can use the Previously prepared folder and skip the render process.

Select Next.



The preview messages will show if the project will fit on the disk. If not, use the Optomize option to make it fit.

Select Next.	Make DVD	2	)
	Review Message List This information has been rep choose to ignore warning me	ported prior to the preparation of your project. You may essages and continue. Error messages must be addressed.	
	Show: All Messages	~	?
	The video 'TR-D-2022-06-12     The audio on track 1 of 'TR-     The end action of 'TR-D-202     The remote button action of     <     <	2 19-26-49.mp4' on track. 2 Video' in 'TR-D-2022-06-12 19-26-49' v -D-2022-06-12 19-26-49' will be compressed. 22-06-12 19-26-49' uses the most recent menu command before a r 'TR-D-2022-06-12 19-26-49' uses the most recent menu command	vil m 1 E
	Estimated project size: 4,064.2	2 MB (87.0 % of 4.700 GB media) Optimize.	
		< Back Next > Finish Canc	cel
	Figure 12	: The preview messages.	

Review the messages.



#### Select Next.

Show:	All Messages	~	le ?
Descri	ption		
No	messages to display		

- ✓ Toggle the *Eject disk when done* option ON.
- ✓ Enter a Volume name, then select Finish.

Select the p	arameters for burning the di	sc.			
Volume name:					Eject
Device:	[D:] ASUS DRW-24F19	ST d1.00	`	1	Load
Speed:	24.0x		×	1	Advanced
Erase mode —		Burn mode			
Do not era	ise	🖲 Burn	disc		
O Quick era:	se	⊖ Test	only (do not bu	rn disc)	
O Full erase					
🗹 Eject disc	when done	Disc stat	us: DVD-R Di	sc	
		Pack N	last >	Finish	Cancel

Rendering Prep	baring Burning
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Making disc:	
0 9	%
Total elapsed time (hh:mm:ss):	00:00:07
Rendering progress:	
0	¥0
Approximate time left (hh:mm:ss):	[]
Elapsed render time (hh:mm:ss):	00:00:07
	Cancel
Figure 15: Rend	ering progress.

The system will then show a progress window. When the render-burn process is complete, the system will ask if you want to make another copy.

If you want to create a DVD cover, there are a number of cover files created with LibreOffice Draw that can be opened, renamed, and edited.