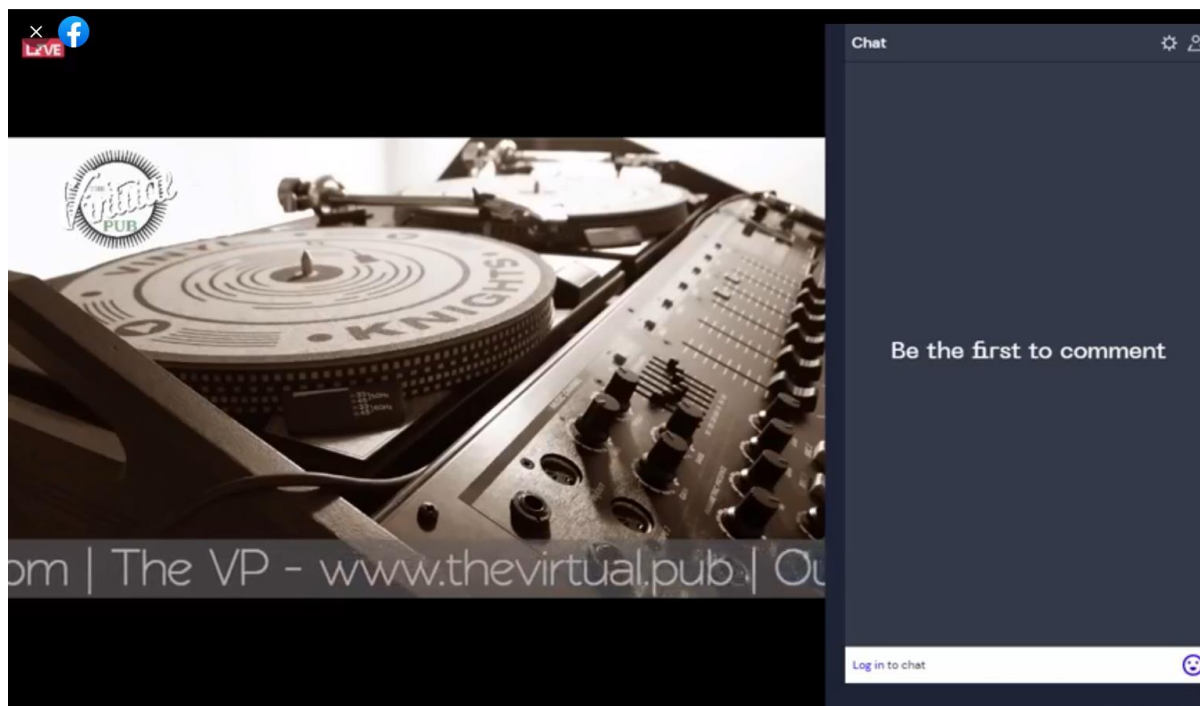


Facebook restream method with an additional OBS instance

A quick guide to restreaming with a second instance of OBS Studio. This will enable you to restream the video plus comments view to Facebook:



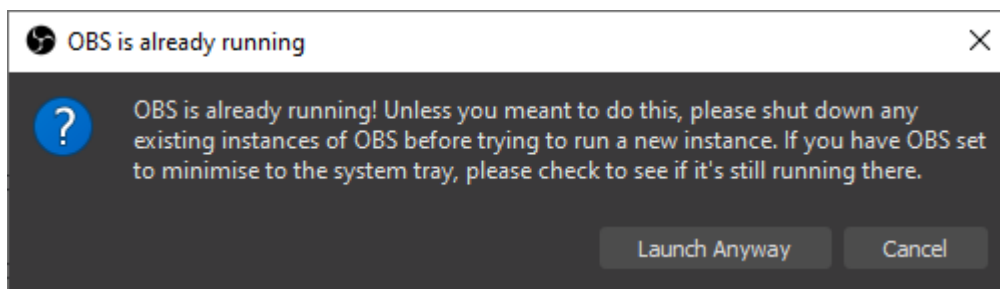
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Initial one-time setup

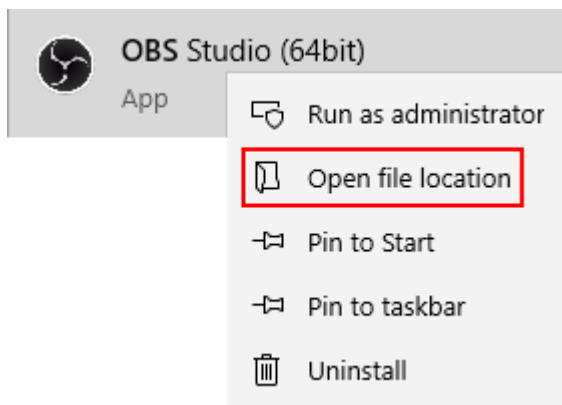
Shortcut modification (optional)

Launching a second instance of OBS will, by default, return this error.

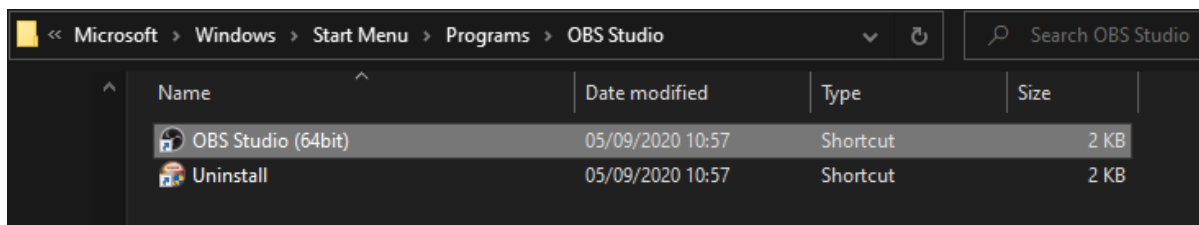


You can simply click Launch Anyway but if you want to suppress that message, you can modify the launching shortcut.

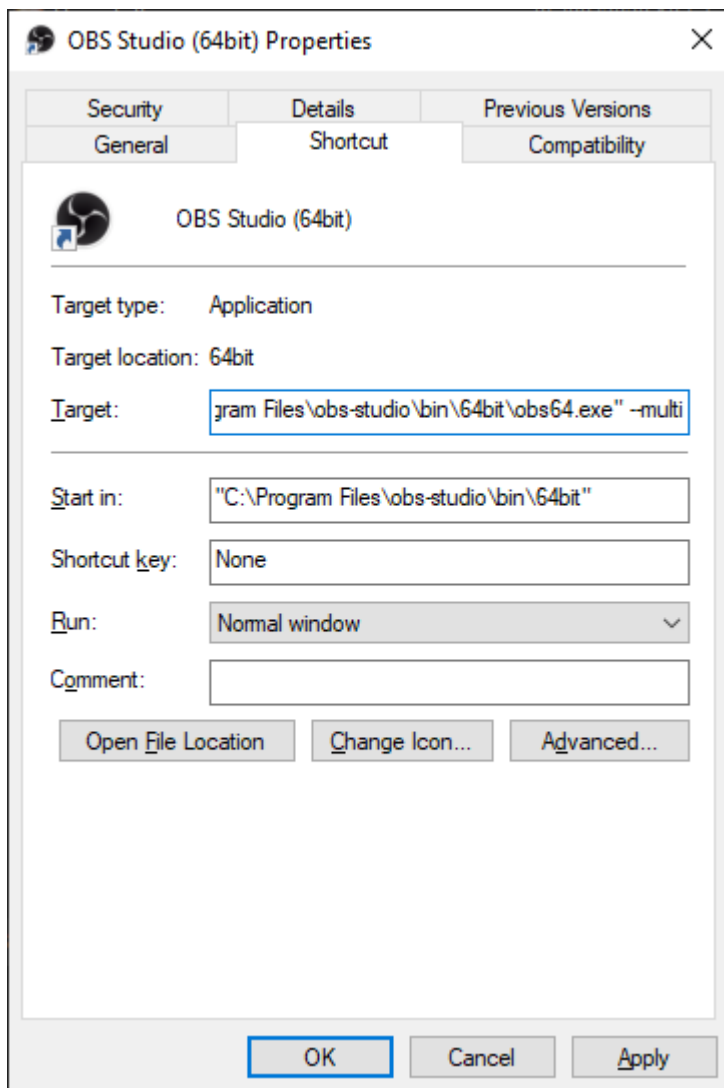
Right click the shortcut in the start menu.



Open file location.



Open the properties of the program shortcut (right click, properties or alt+return)



Modify the Target field, adding –multi to the command line as above. Click Ok.

Mixcloud configuration (for primary OBS instance)

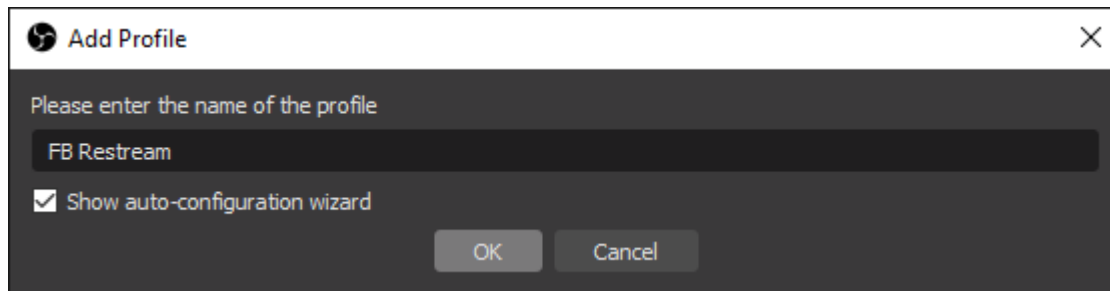
Configure your primary instance of OBS with a streaming profile for Mixcloud (use the built in Mixcloud profile, send 320Kbps audio and somewhere between 2-3Mbps video. The second instance is what we're focused on here as that's going to handle the Facebook restream

Facebook restream configuration (for secondary OBS instance)

Launch a second instance of OBS.

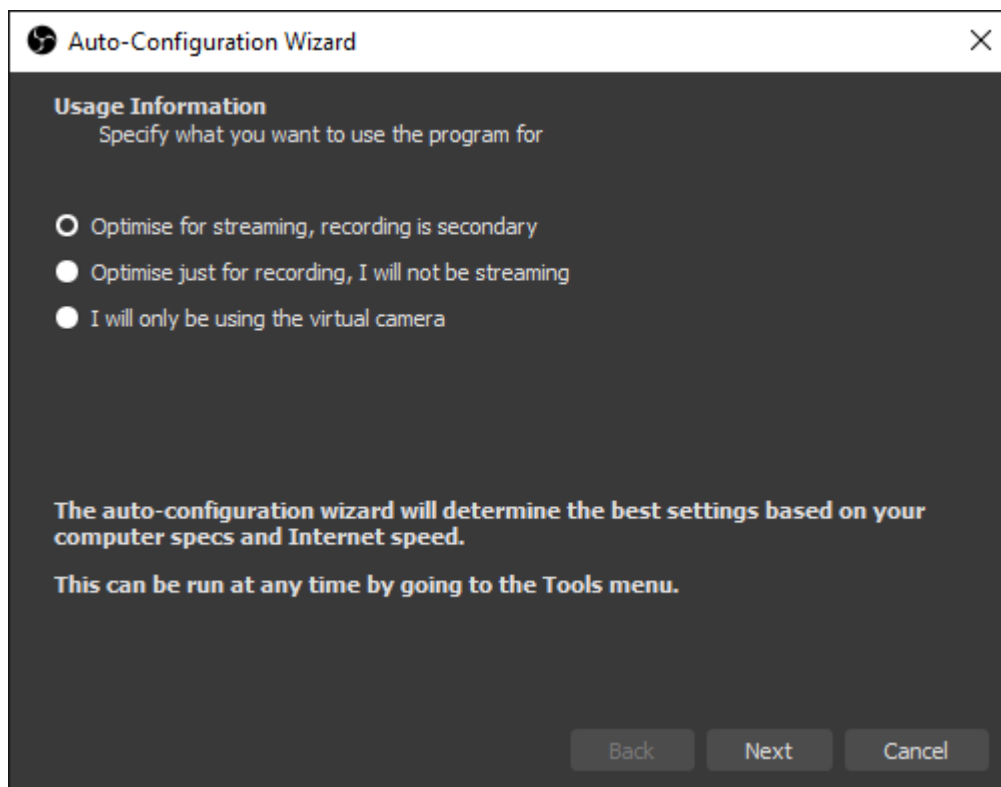
New Profile

Add a new profile and name it accordingly.



Auto-Configuration wizard

The auto-configuration wizard is the easiest way to set this up quickly, so leave it ticked and we'll follow that.



Leave 'Optimise for streaming, recording is secondary' selected and click Next.

The screenshot shows the 'Video Settings' window of the 'Auto-Configuration Wizard'. The window has a title bar with a close button. The main content area has a dark background. At the top, it says 'Video Settings' followed by 'Specify the video settings you would like to use'. Below this, there are two input fields: 'Base (Canvas) Resolution' set to '1280x720' and 'FPS' set to '30'. Both fields have up and down arrow buttons. A yellow note is displayed below the fields: 'Note: The canvas (base) resolution is not necessarily the same as the resolution you will stream or record with. Your actual stream/recording resolution may be scaled down from the canvas resolution to reduce resource usage or bitrate requirements.' At the bottom right, there are three buttons: 'Back', 'Next', and 'Cancel'.

Auto-Configuration Wizard

Video Settings
Specify the video settings you would like to use

Base (Canvas) Resolution 1280x720

FPS 30

Note: The canvas (base) resolution is not necessarily the same as the resolution you will stream or record with. Your actual stream/recording resolution may be scaled down from the canvas resolution to reduce resource usage or bitrate requirements.

Back Next Cancel

Change Base Resolution to 1280x720 and FPS to 30.

The screenshot shows the 'Stream Information' window of the 'Auto-Configuration Wizard'. The window has a title bar with a close button. The main content area has a dark background. At the top, it says 'Stream Information' followed by 'Please enter your stream information'. Below this, there are several fields and buttons: 'Service' set to 'Facebook Live', 'Stream Key' set to 'hello' with 'Hide' and 'Get Stream Key' buttons, 'Server' set to 'Default', and 'Video Bitrate' set to '1500'. There are also two checkboxes: 'Prefer hardware encoding' (checked) and 'Estimate bitrate with bandwidth test (may take a few minutes)' (unchecked). At the bottom right, there are three buttons: 'Back', 'Next', and 'Cancel'.

Auto-Configuration Wizard

Stream Information
Please enter your stream information

Service Facebook Live

Stream Key hello Hide Get Stream Key

Server Default

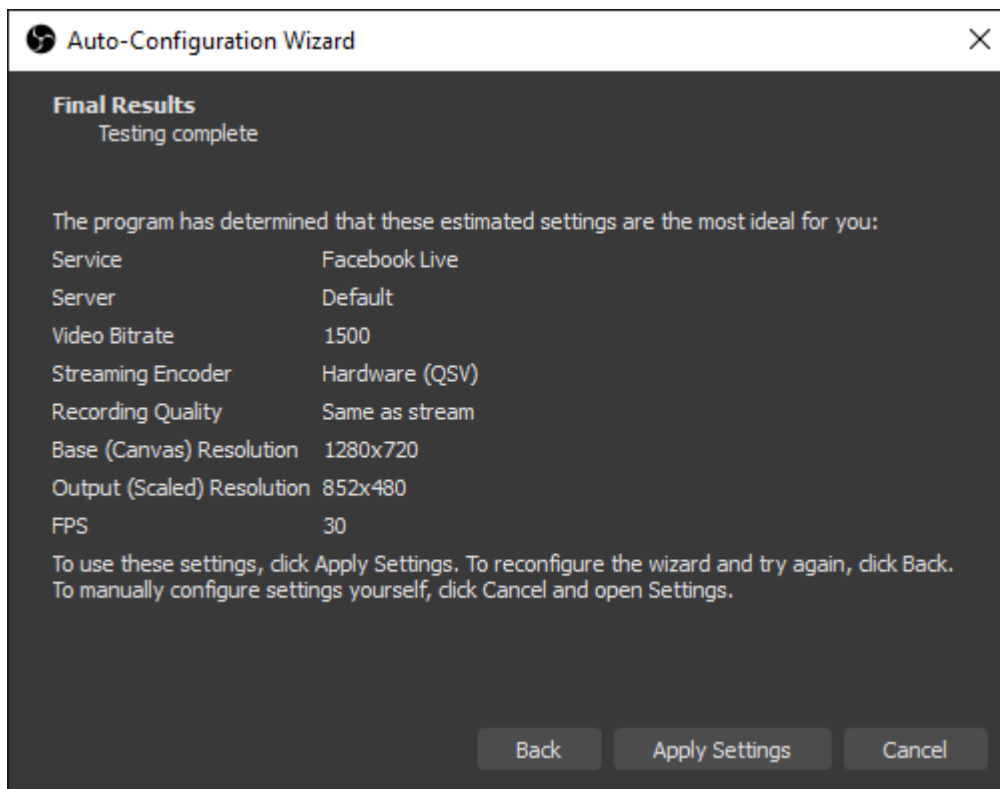
Video Bitrate 1500

☒ Prefer hardware encoding

☐ Estimate bitrate with bandwidth test (may take a few minutes)

Back Next Cancel

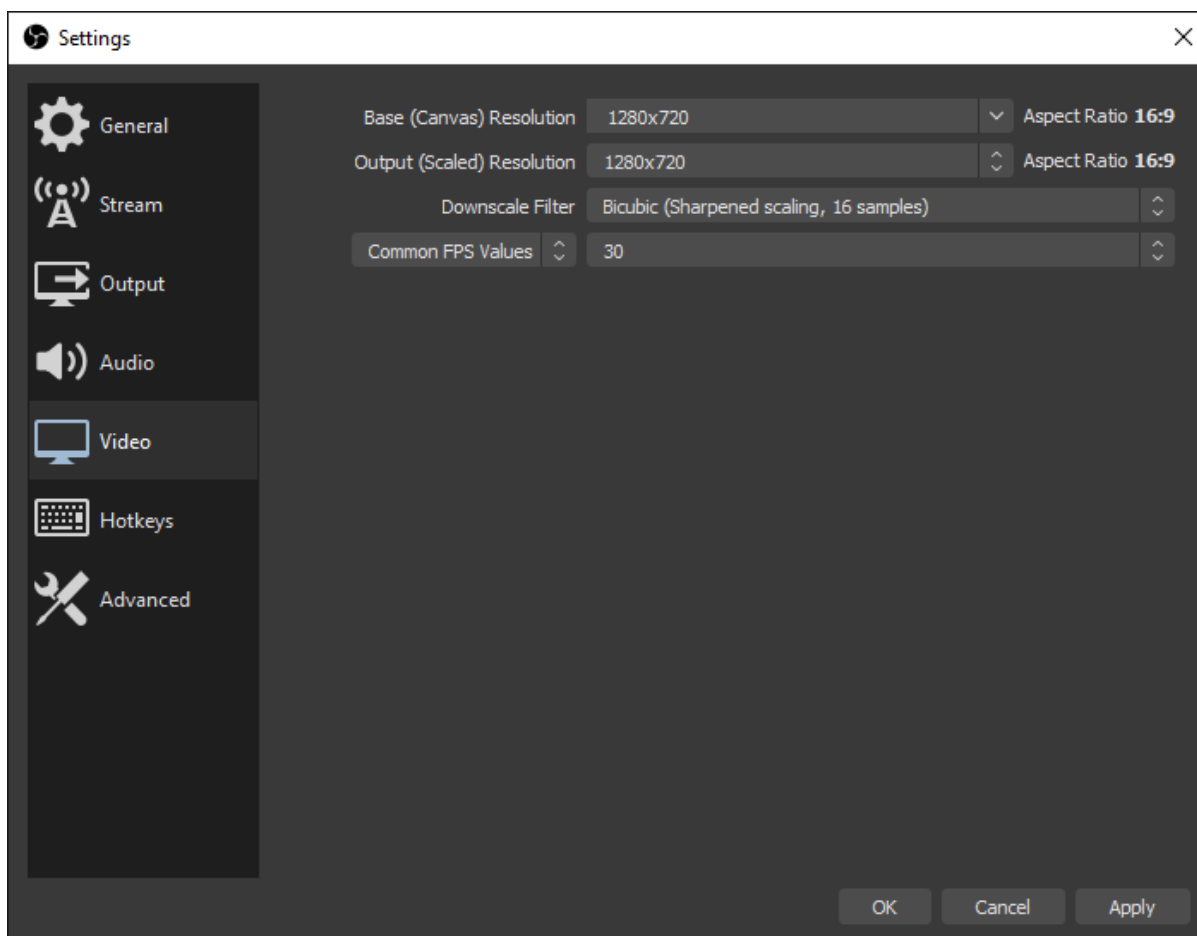
Configure as above. Enter anything in the Stream Key field to allow us to proceed and uncheck 'Estimate bitrate with bandwidth test' because the stream key won't work. Video bitrate may need modifying based on your upload bandwidth but should be fine at 1500Kbps (1.5Mbps). Click Next



Click Apply Settings.

Fix Base / Output Resolutions

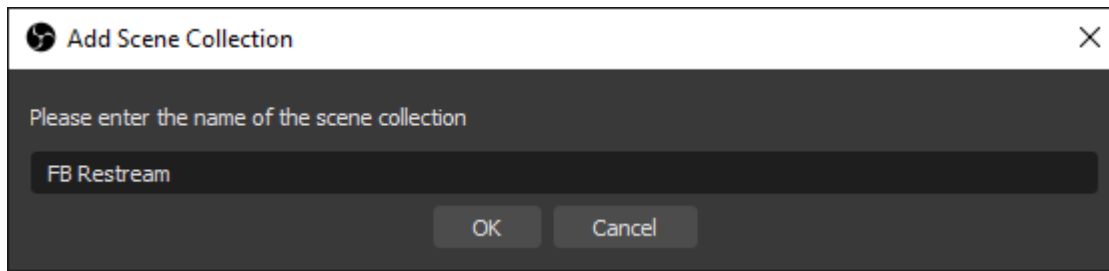
Go into Settings, Video.



Change the 'Output Resolution' to 1280x720 to match the 'Base Resolution'. Click Ok.

Add a new Scene Collection and name it accordingly.

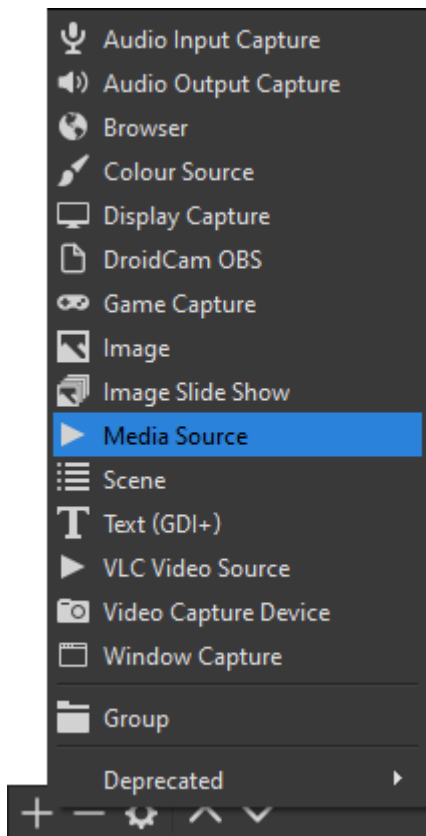
New Scene Collection

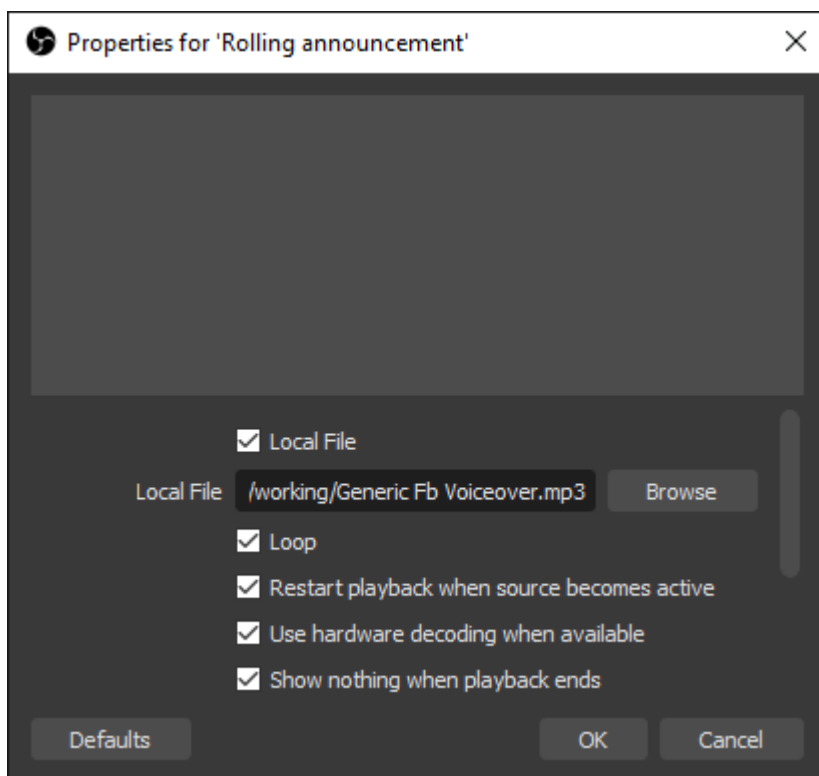
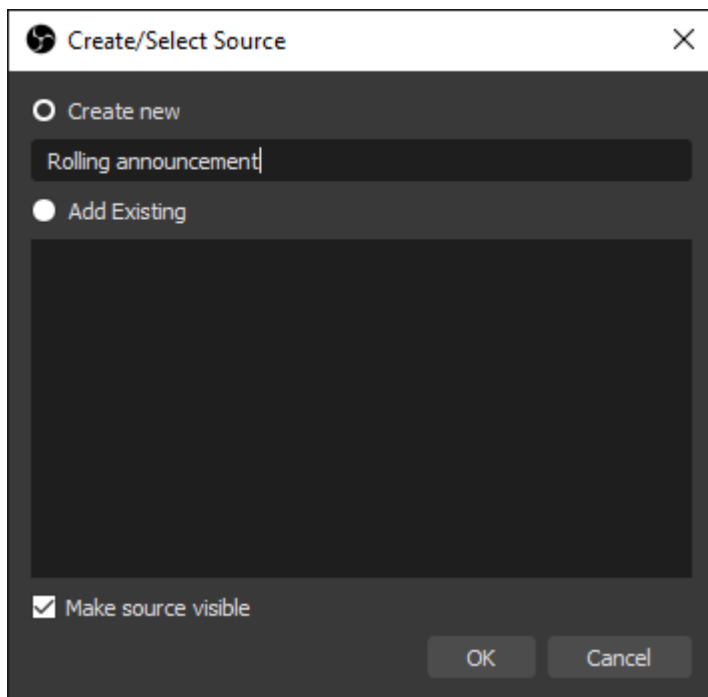


You only need a single scene so we'll use the default, 'Scene'. We need to add two sources – Media (for the rolling announcement) and Browser (for the video).

[Media Source \(rolling audio announcement\)](#)

Add a Media Source and name it.

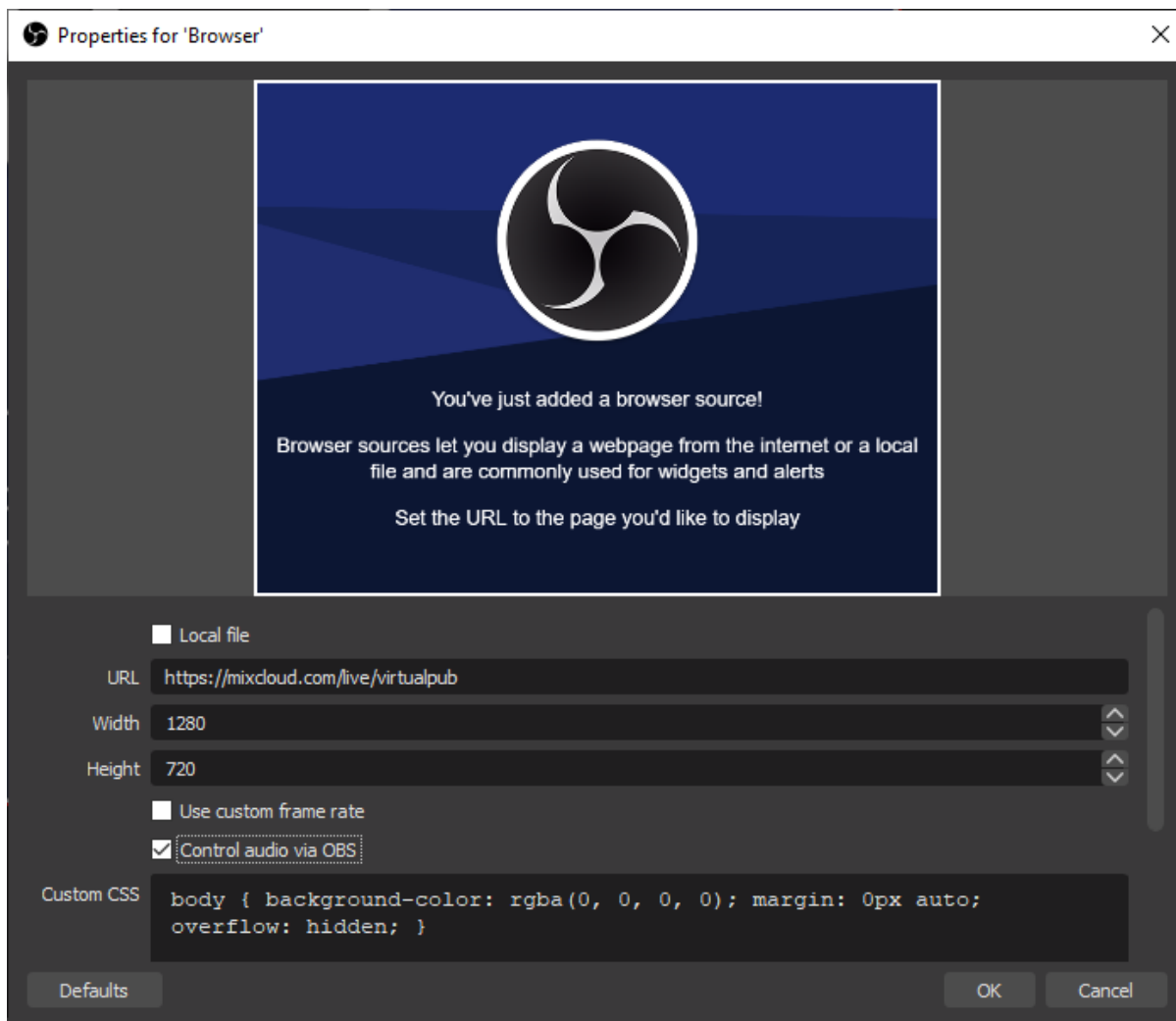
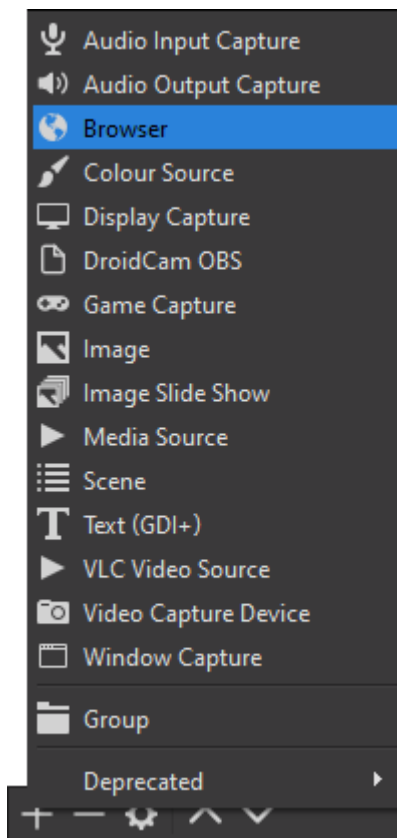




Add the rolling announcement file, configure the options as above and click Ok.

[Browser Source \(Mixcloud video\)](#)

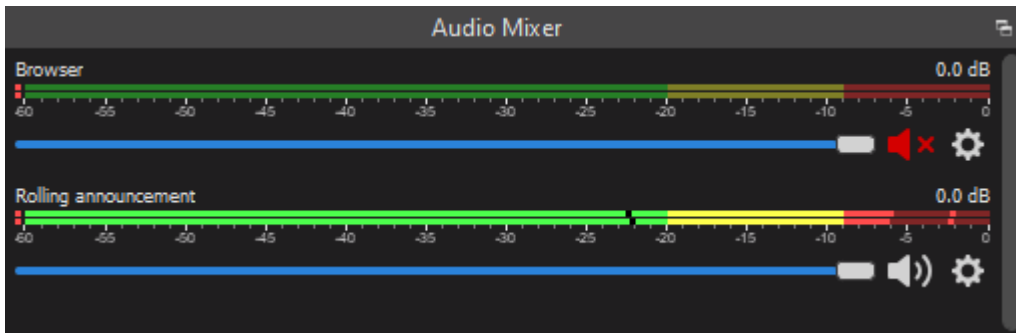
Add a Browser source and name it.



Configure as above.

Muting Browser Source's audio

IMPORTANT: Mute the browser's audio so the only active audio source is the rolling announcement.

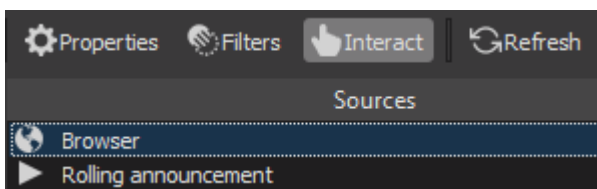


Using this setup to restream

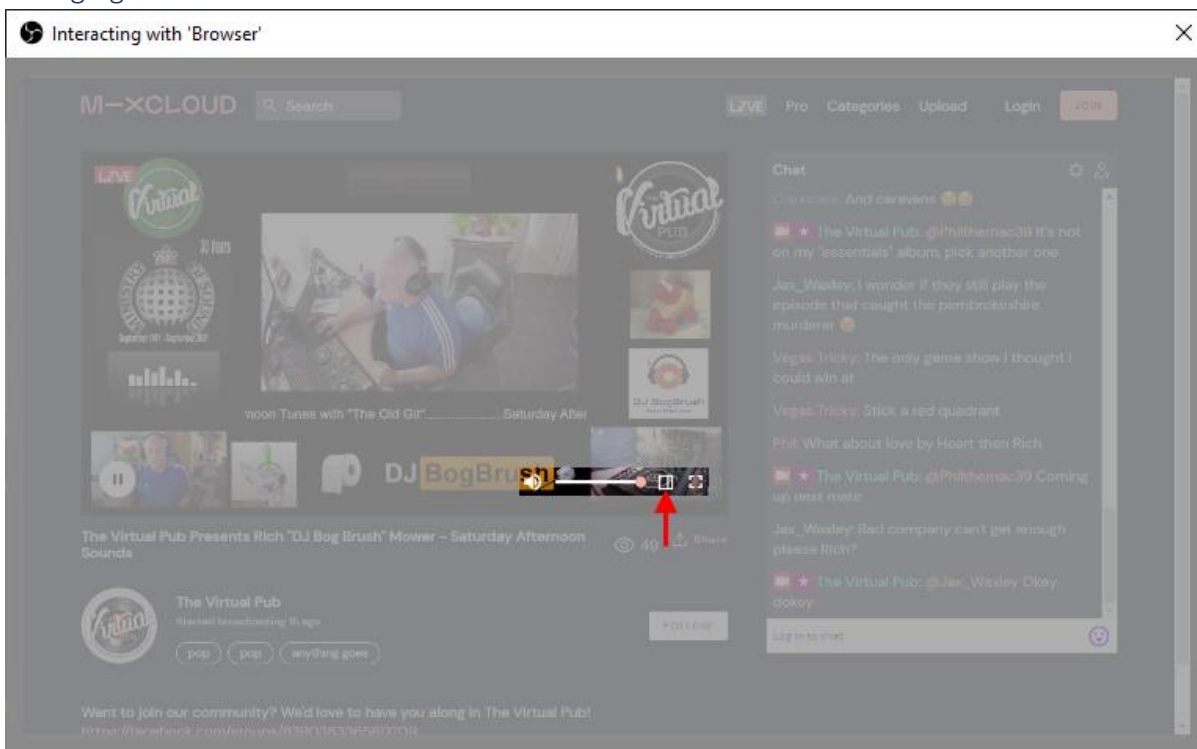
Interacting with the browser source

When your Mixcloud stream is active in your first OBS instance, the second instance will show the (muted) Mixcloud stream in the default view. Change this to the video plus comments view.

With the browser source highlighted, click interact (or right click the browser source and click Interact there).



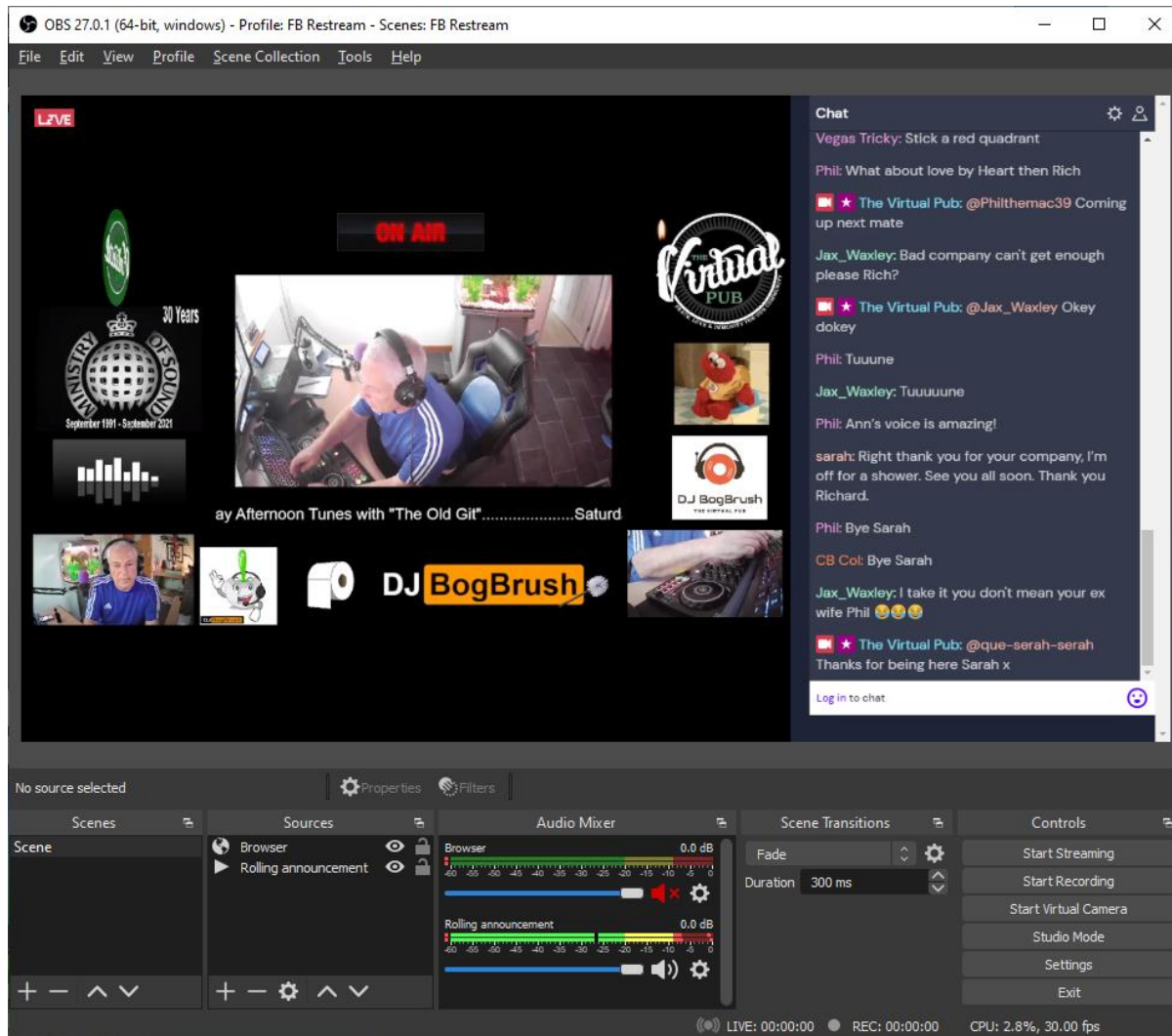
Changing the view to video + comments



Hover over the video in the 'Interacting with Browser' window and click the arrowed option above.

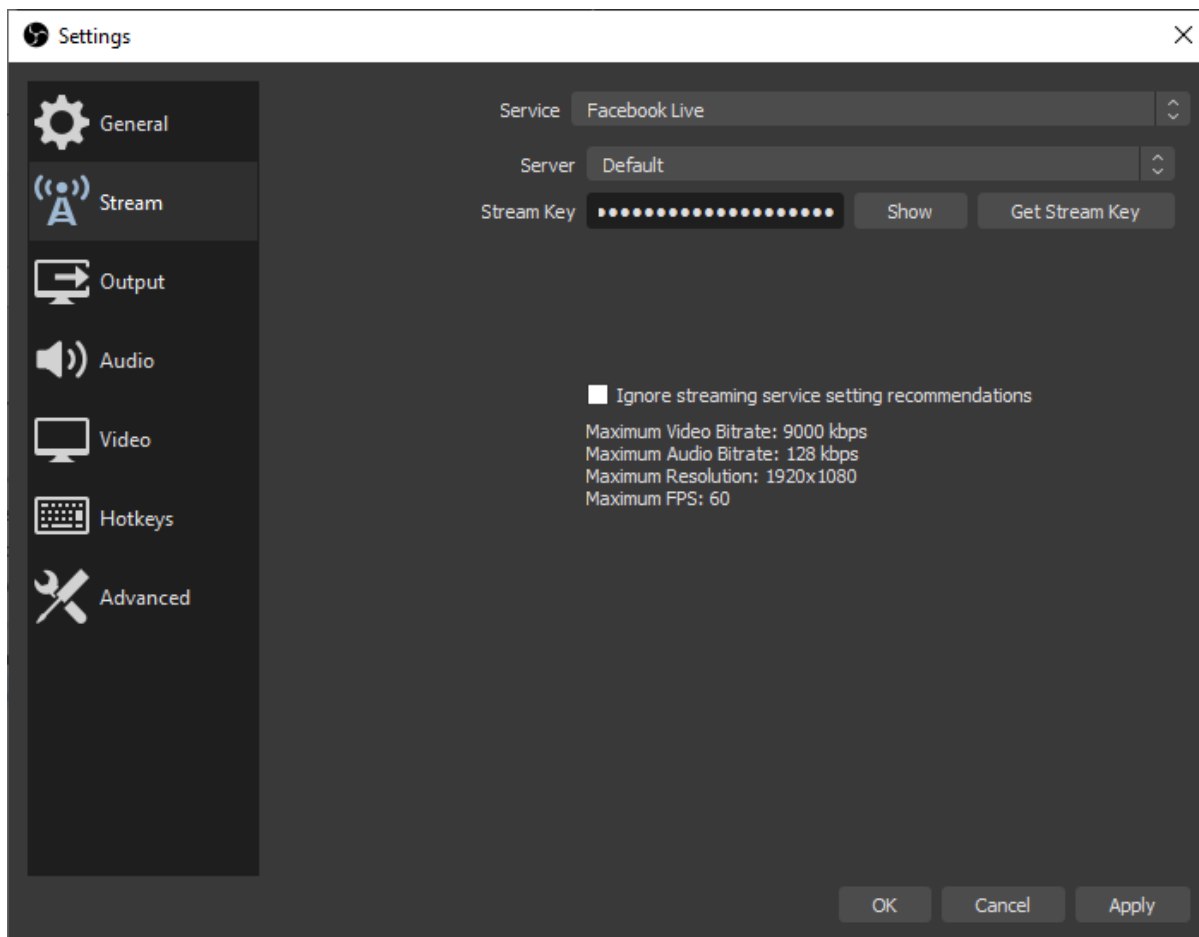
Close the 'Interacting with Browser' window.

Live broadcast view



Stream to Facebook

Obtain your stream key from the Facebook Live setup, click Settings and choose the Stream tab on the left.



Paste the stream key into the corresponding field, click Ok then go live to Facebook, from this second OBS instance, in the usual way.

This method, using the built in OBS Browser source means there's no reliance on Window captures and the second instance can be minimised.