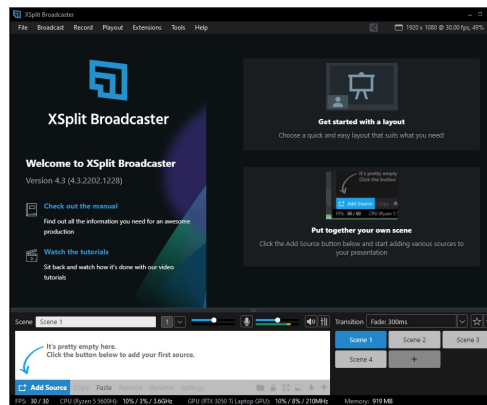# XSplit Broadcaster

Please [read how to find the setup a match (/scoring/create-match/sources/third-party)](/scoring/create-match/sources/third-party) first.

[XSplit Broadcaster (https://www.xsplit.com/broadcaster)](https://www.xsplit.com/broadcaster) is a popular, paid, streaming tool available on Windows and is the go-to tool for many livestreamers with excellent plugins available out-of-the-box to dramatically improve the quality of your broadcasts. You may wish to look at XSplit if you intend to augment your broadcast with content like a podcast or mid-week show.

If you are new to third party tooling, consider trying [OBS](OBS) first as XSplit provides additional tooling you're unlikely to benefit from immediately.
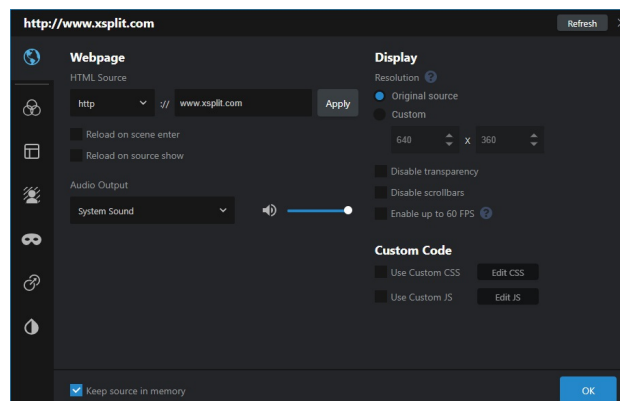

An empty XSplit instance. Attach all your video/audio sources in here.

XSplit produces highly sophisticated tooling that allows for fully developed graphical output, green-screen keyframing, and local broadcasting (like to a screen at the facility).
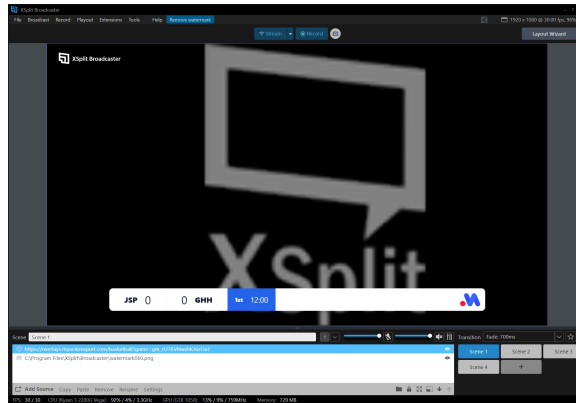
The basic steps for integrating MAS and XSplit are:

- [Start a new match in MAS (/scoring/create-match)](/scoring/create-match) and [retrieve the overlay URL (/scoring/create-match/sources/third-party#finding-the-overlay-server)](/scoring/create-match/sources/third-party#finding-the-overlay-server)
- Add your video and audio "Sources" into XSplit
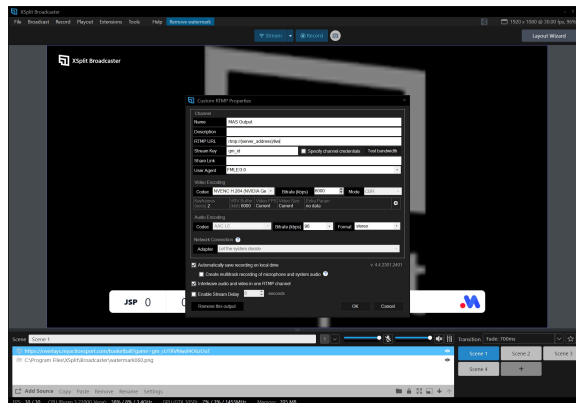- Create a new "Webpage Source" in XSplit

- Configure your overlay with the [URL generated by the scoring app (/scoring/create-match/sources/third-party#finding-the-overlay-server)](/scoring/create-match/sources/third-party#finding-the-overlay-server). In this example the overlay source takes the form https://overlays.myactionsport.com/{scoring_keyboard}?game={game_id}
- Set the size of the overlay to draw "full screen" in the Display > Resolution option (i.e. whatever resolution your video will broadcast at - if in doubt: width: 1920, height: 1080 is 1080P and default for most destinations).

- The overlay doesn't produce audio, so you can ignore Audio Output
- Ignore/default the Enable up to 60FPS this is 30FPS by default and will likely just match your framerate. You should only really change this if you intend to broadcast at a *higher* framerate.

- Ensure the overlay is the first/top input source (pay special mind to this when using replays if yuo want the overlay in the replay or not), it will draw full-screen with a transparency layer so you can see the video underneath it.
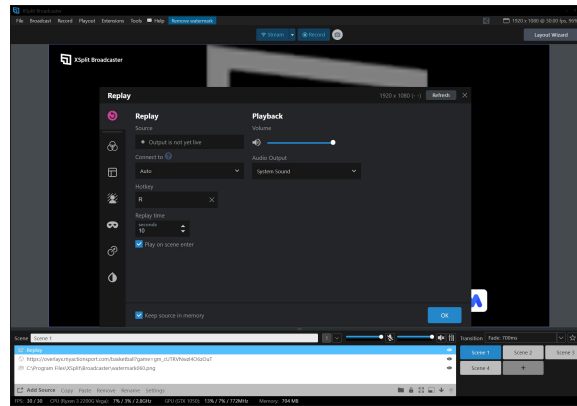

- The final step is to "Start Streaming" in XSplit. If streaming to MAS, do this by:

  1. Selecting Broadcast > Set up a new output > Custom RTMP
  2. Give the name/description something meaningful to *you* (e.g. "MAS Output")
  3. Input the MAS Video Server RTMP URL (/scoring/create-match/sources/third-party#finding-the-video-server) up to and including the /live/ part
  4. Use the Game ID part of the URL (i.e. gm_{some_random_value}) as the Stream Key.

If you have instructed MAS to receive a video stream (such as for post-match replays), you **must stream to MAS to keep your overlay alive and do this within 10 minutes of going live** even if you are sending it to another service first. Otherwise, make sure to end your games properly. If you would like to stream directly at your own YouTube/custom URL and/or want to output to multiple destinations at the same time you could try:

- Stream directly out of XSplit (https://support.xsplit.com/en/article/multistreaming-to-different-platforms-6ow87s/), or;
- Third party services like Restream.io (https://restream.io/) which provide a paid service (consider this if your internet connection is a bit weaker).

Instant Replays

Instant Replays are an excellent way to augment your broadcast, setting these up before a game will allow you to produce TV style graphics and XSplit has a default input source for these.

This is often the biggest reason for using XSplit as you can quickly and easily cut to these replays in your broadcast without special configuration. [Read more from the official XSplit docs (https://support.xsplit.com/en/article/instant-replay-1vfbqvi/).](https://support.xsplit.com/en/article/instant-replay-1vfbqvi/)