



Broadcast Radio Live Quick Setup Guide

Version 1.0 – February 2021

Introduction

Broadcast Radio Live (BR Live) is an *Audio Over IP* application, which creates peer-to-peer connections between the studio, presenters, and other contributors. It is designed specifically for live radio programmes, and contains a number of features to simplify production.

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Prerequisites

Before setting up BR Live, there are some prerequisites you should first check.

You can install Broadcast Radio Live on any computer in the studio. You can install BR Live on the computer running Myriad Playout, but you may be limited by the output devices.

- **Setting up the clean feed**

Like other contribution software, Broadcast Radio Live requires a **clean feed** (also known as a **mix minus**). This would contain all of the studio outputs, with the exception of the remote output.

This prevents contributors hearing their own microphones back down the line.

If your studio mixer has a clean feed facility, we recommend using this.

- You can either use a mix minus, telco, or clean feed channel on your mixer. For example, the SRMv2, Sonifex S2, and AEQ Capitol desks support this. This is usually the most straightforward option, and does not require much reconfiguration of sound cards.
- For dedicated automation PCs, you can simulate a clean feed by installing Virtual Audio Cable, and selecting "Monitor This Device" in the Sound Control Panel.

Unless you have a higher end sound card (e.g. one that supports audio patch bays, for example AudioScience® PCI cards), it is difficult to create a virtual clean feed channel without losing your multi-channel output. This can be achieved by using *number of Myriad channels + 1* virtual audio cables and a utility application like Audio Repeater.

- **Firewall rules**

If your network is complex, or externally managed (e.g. by a University), there may be restrictions that prevent Broadcast Radio Live from forming peer-to-peer connections.

Some network configurations are not currently supported (for example, a router behind another router).

- If available, Universal Plug and Play should be enabled on the router
- UDP traffic should not be filtered or blocked
- Windows Firewall should allow BR Live in all zones.

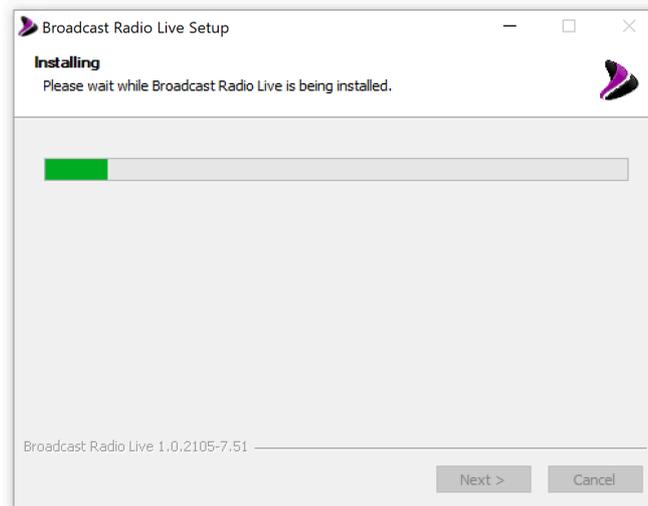
- **Myriad Version**

You must be running Myriad Remote Edit Server version 5.26 or later.

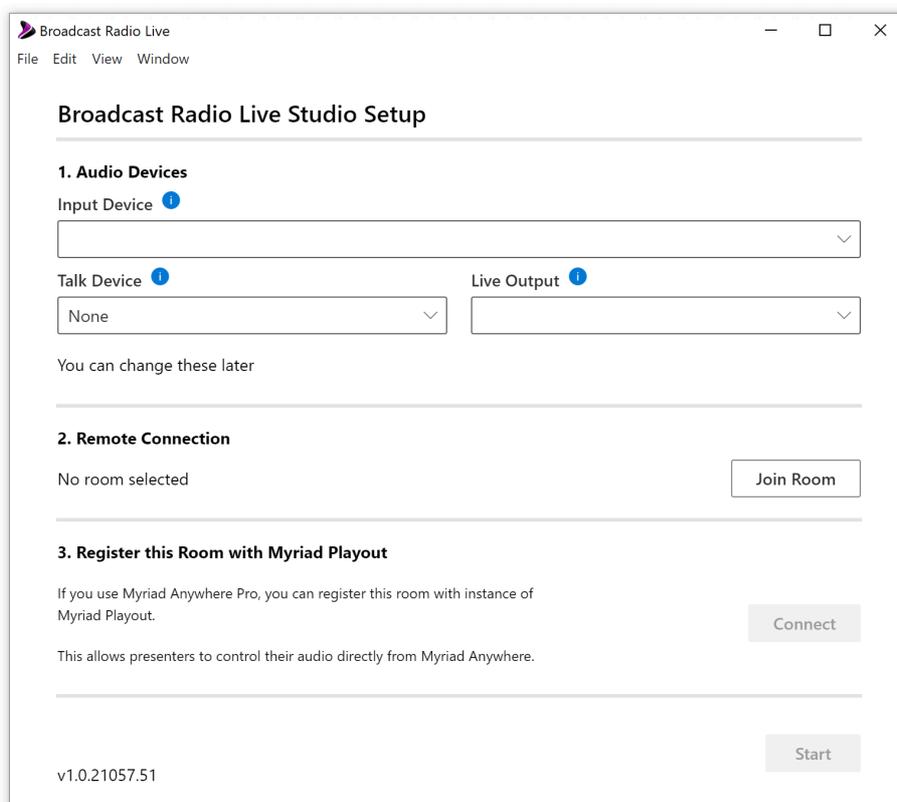
Setting Up Broadcast Radio Live

1. Install the BR Live Studio Client

Download the BR Live Studio Client, and run the installer. It will automatically launch once it has finished installing. If you are not a Windows Administrator, you will be prompted for an administrator password.



The first time you run Broadcast Radio Live, you will see a setup screen, which looks like this. Let's take a look at the options.



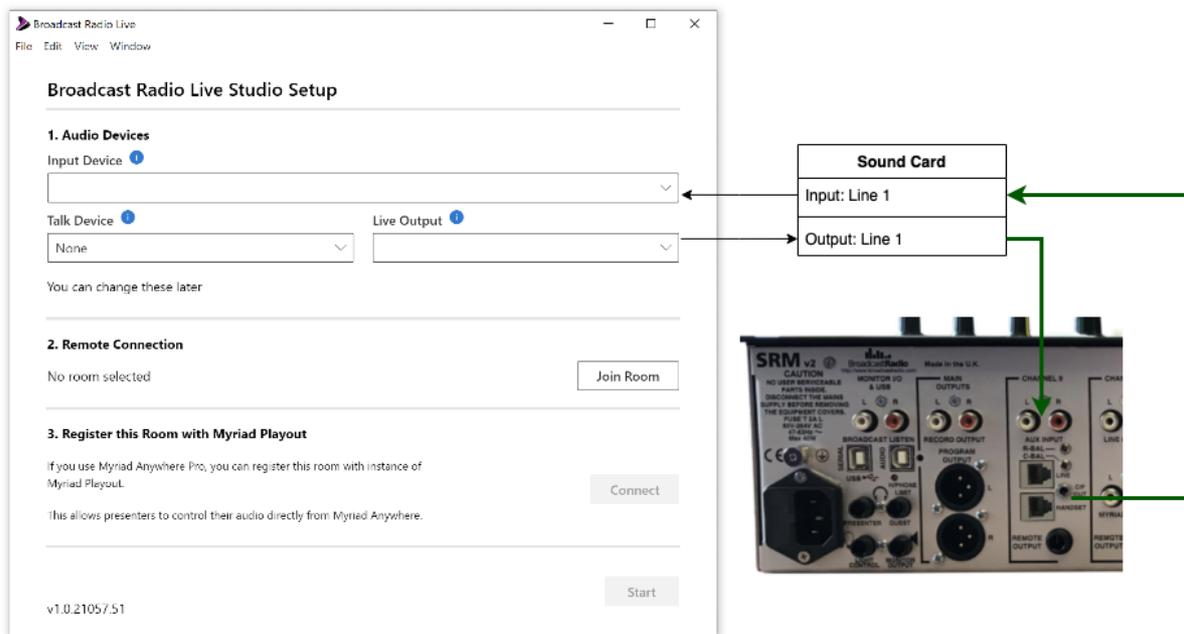
2. Configuring Audio Inputs and Outputs

Broadcast Radio Live lets you select one input device, and up to two output devices.

You should select the **Input Device** corresponding to the “C/F out” (or “mix-minus out”).

The **Output Device** should be a sound card connected to the input on the mix minus/telco channel.

For example, on an SRMv2:



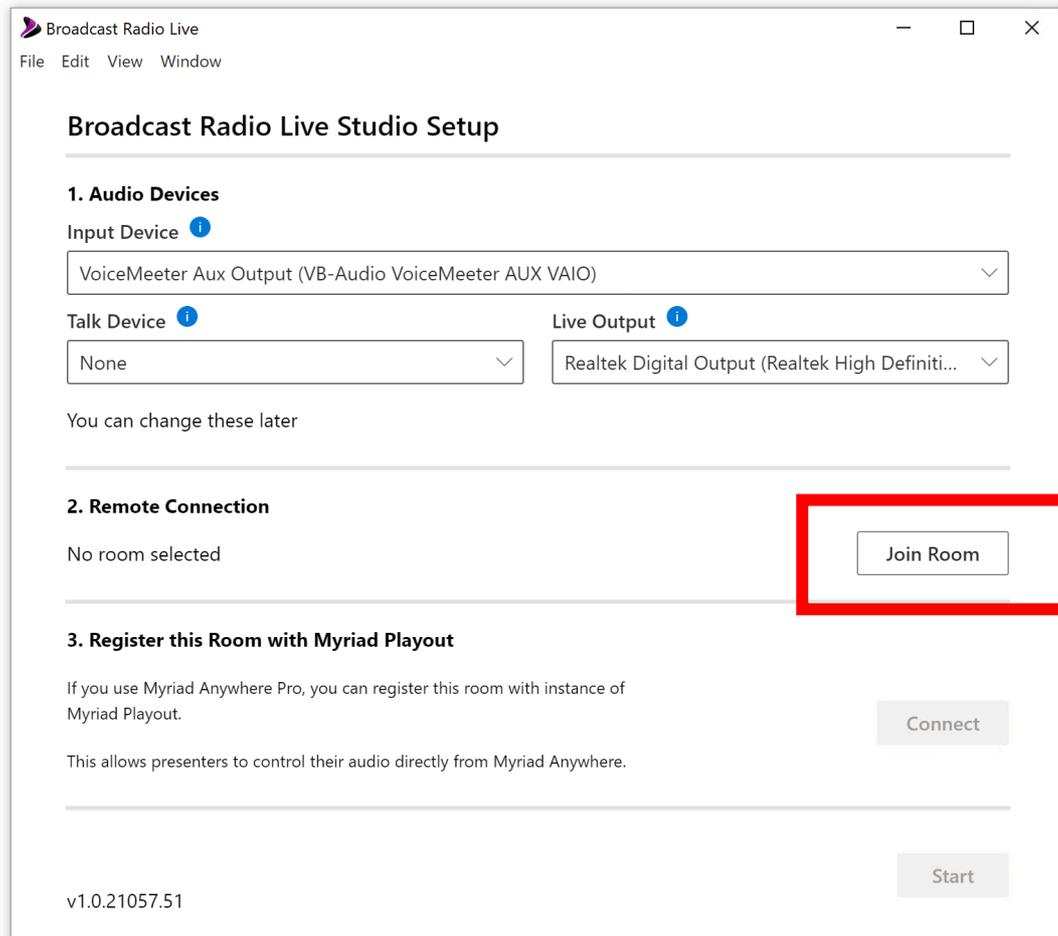
You **don't** need to set a **Talk Device** to use the talkback feature built into BR Live. However, if your studio mixer has a talkback input, you can optionally use another sound card to hear talkback in the studio.

Once you've selected these, we can 'pair' the studio to Broadcast Radio Live. Read on to find out how to do this.

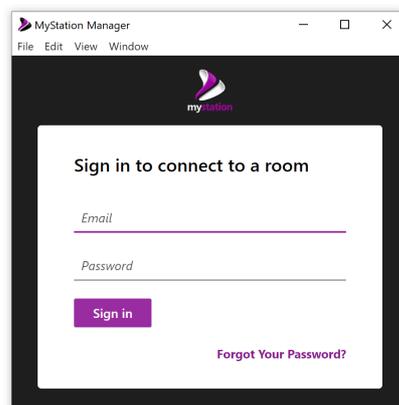
3. Joining A Room

Once you've selected your audio devices and are happy, we can join a Room.

A Room can be thought of as a virtual studio. Every BR Live Studio Client needs its own Room, so you can create different rooms for different physical locations. Myriad Anywhere Cloud will automatically connect presenters to the right Room.



Click on the **Join Room** button. This will open a pop-up window with a sign-in form.



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Next, let's log in with your **MyStation** account. You will receive an email invitation with your username and a temporary password.

If you haven't changed your MyStation password yet, you can log in with the temporary password – but before continuing you'll need to change it:

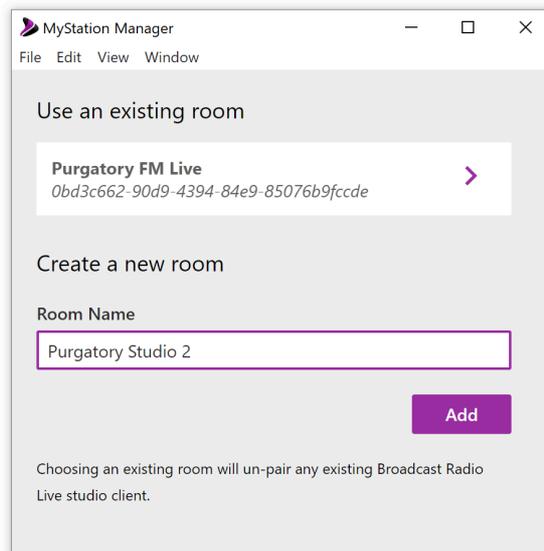


If your MyStation account is linked to multiple Stations, you may first be asked to select a Station. You will need Administrator privileges on this Station, otherwise you will see an "Access denied" message.

You will find two options: **use an existing room**, and **create a new room**.

Note that only one Studio Client can be paired to a Room. If you try to connect, for example, a studio 2 to the same Room as studio 1, studio 1 will disconnect. If you're installing BR Live on a new computer, or have logged out, you can press the arrow next to the correct room.

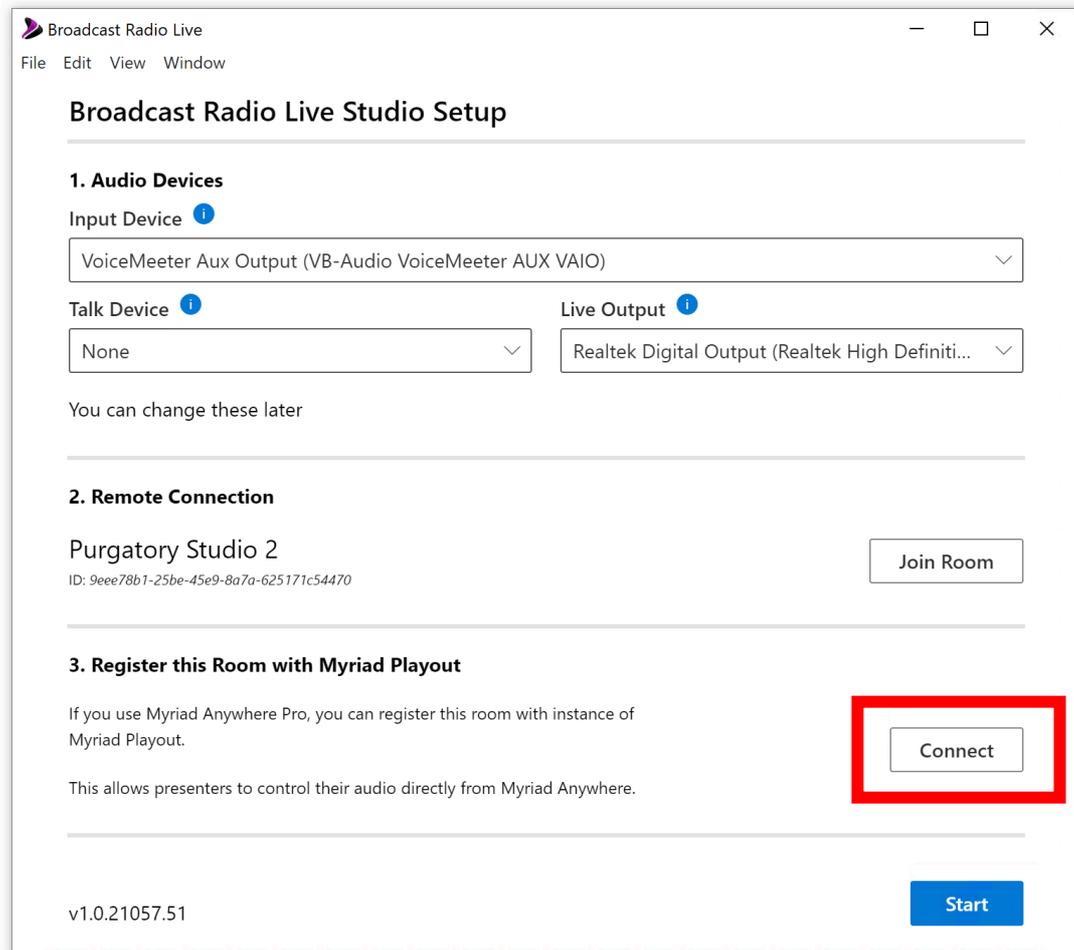
But instead, let's create a new Room for Studio 2. Type in a descriptive name and press **Add**.



The window will close, with BR Live Studio confirming your choice of room.

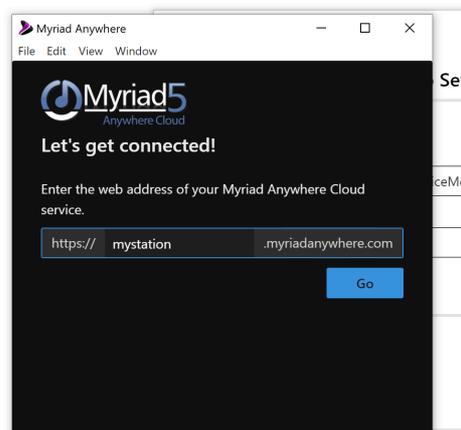
4. Connecting to Myriad Anywhere Cloud

Once you've joined a Room, we can 'pair' that Room with Myriad Anywhere Cloud. This step enables the advanced integration between BR Live and Anywhere Cloud.



Click on the **Connect** button.

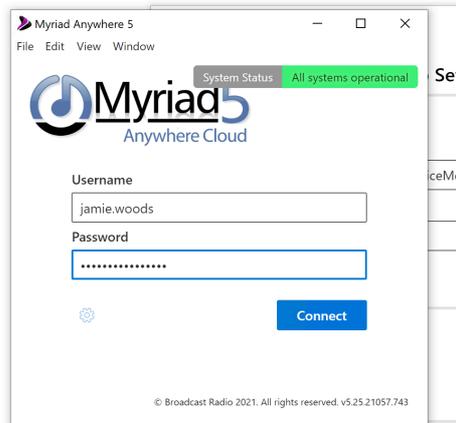
This will open a pop-up. Enter your Myriad Anywhere Cloud URL, and click **Go**.



3. Register this Room with Myriad Playout

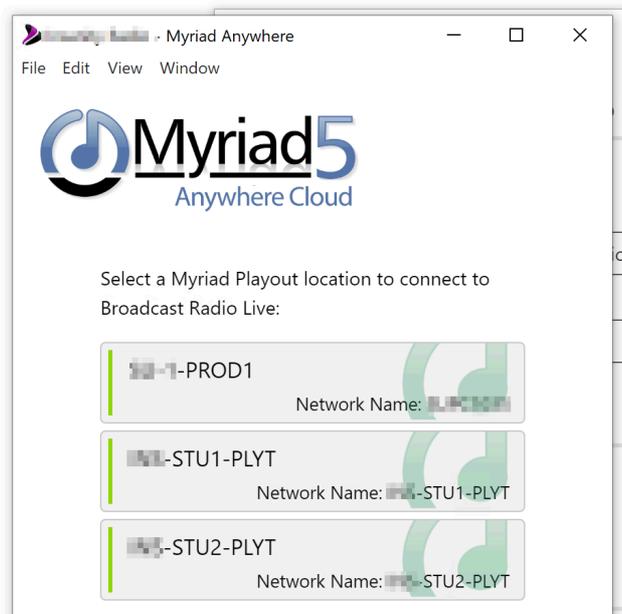
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Log in with your **Myriad Directory** username and password, and click **Connect**.



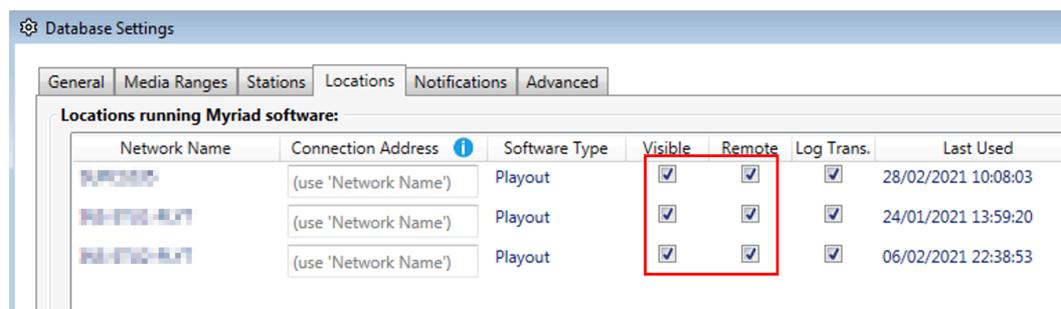
3. Register this Room with Myriad Payout

Once you have connected, select the Myriad Payout instance running in the studio (i.e. in the same physical location as the BR Live Studio). We'll select Studio 2's "STU2-PLYT".



3. Register this Room with Myriad Payout

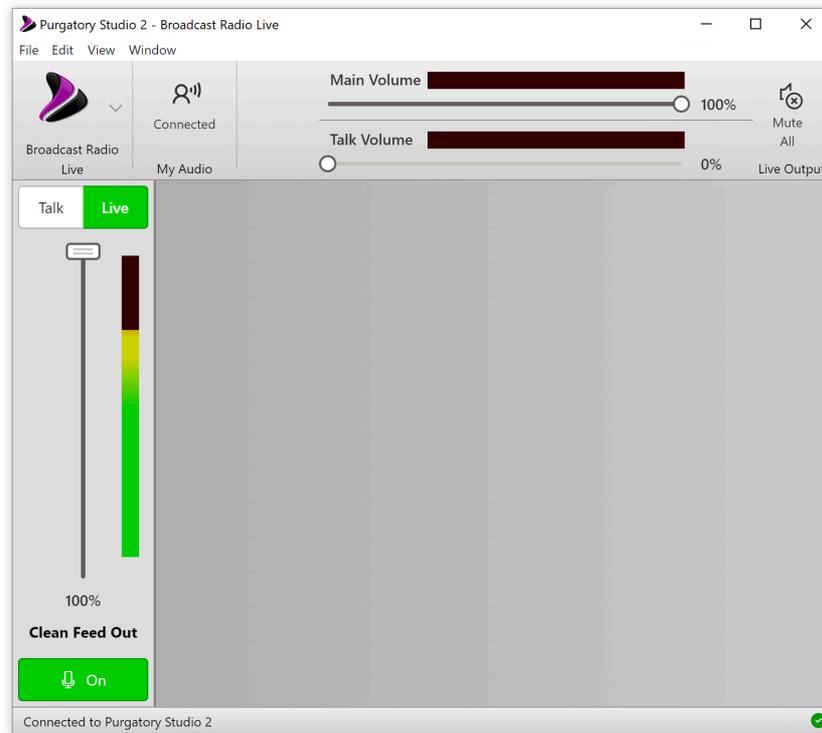
If the list is empty or does not show the correct Myriad Payout instance, make sure that it's been made visible to Remote Edit Server. To do this, in Myriad Payout, go to: **Settings > Database Settings > Locations**



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For this change to take effect, close the pop-up window and start from the top of the section.

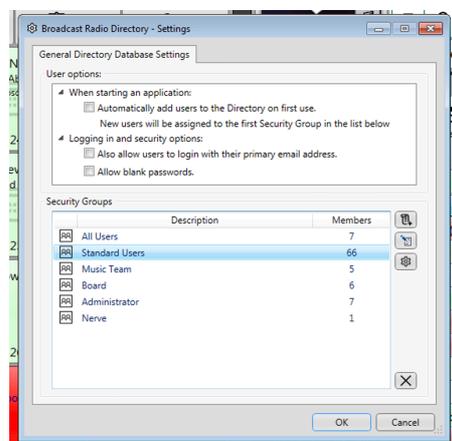
Once you've selected the correct Myriad Playout location, the pop-up window will close. We can now click the **Start** button.



5. Setting Up Directory Permissions

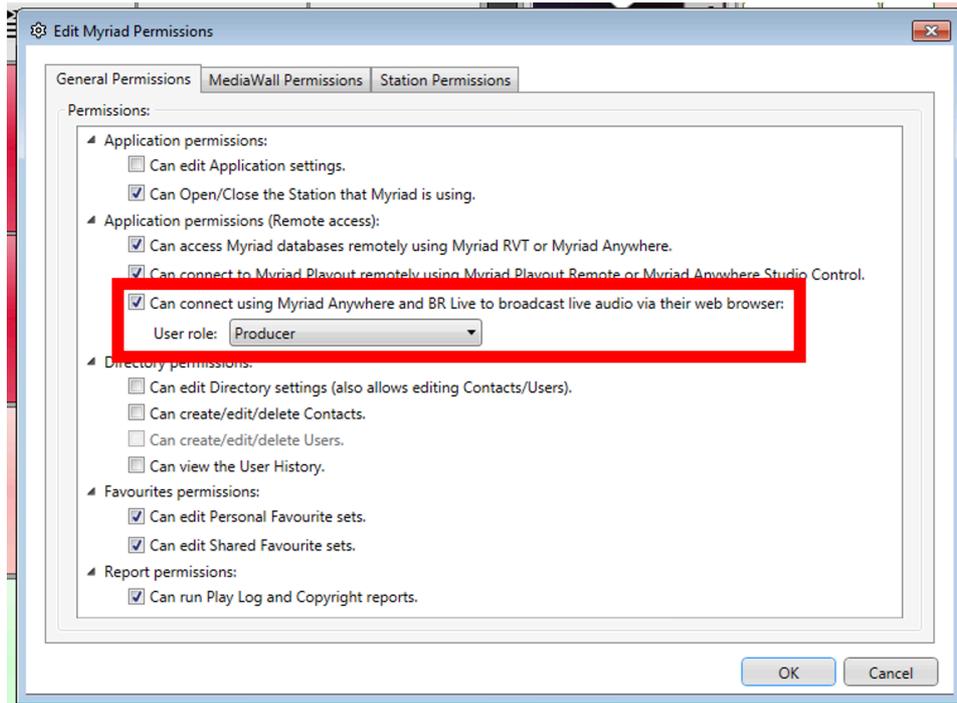
By default, nobody has been authorised to connect to BR Live.

To give a specific security group access to BR Live, go to **Settings > User Management > Directory Settings**.



Double click on a security group to edit its permissions.

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Check the option **Can connect using Myriad Anywhere and BR Live**.

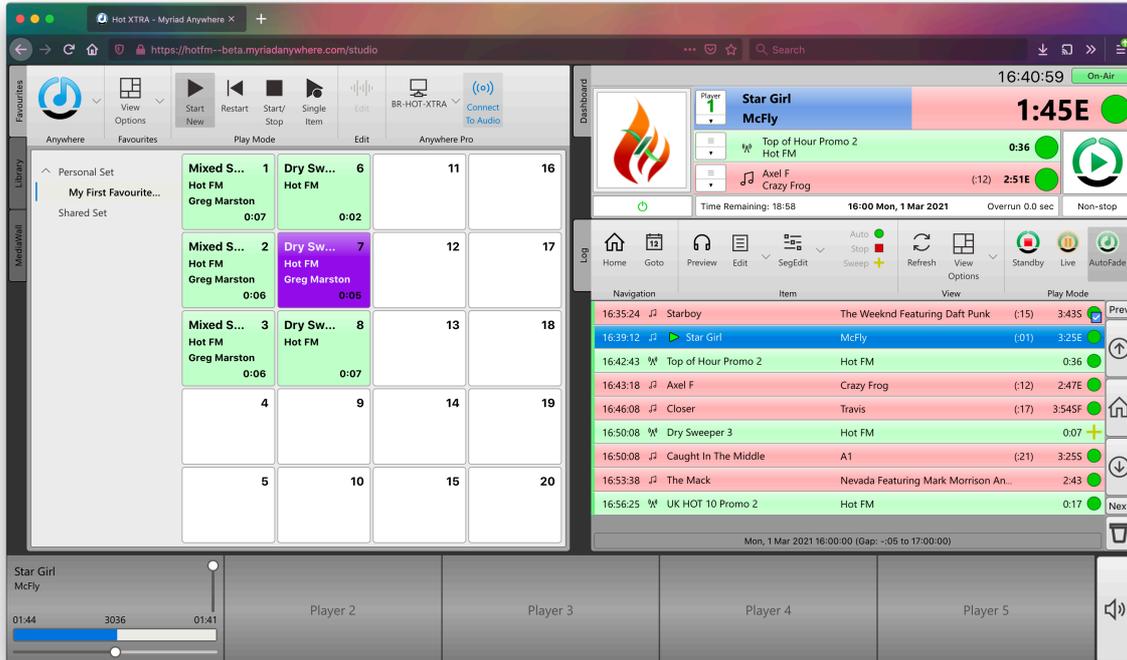
Additionally, you can restrict the user's access to BR Live by changing the **User Role**. From least permissive to most permissive, the roles are:

- **Announcer**
Announcers are able to connect, but can't put their own microphone live. Their microphone can be controlled by any Producers connected to the room.
- **Presenter**
Presenters have permission to make their own mic live, but cannot control the microphones of other connected users.
- **Producers**
Producers have full access to the BR Live mixer, can turn any microphone on/off, and change advanced room settings.

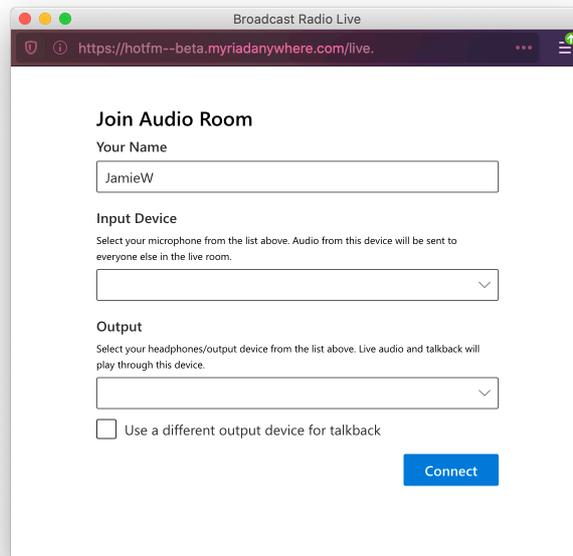
Click on **OK** to save these changes.

6. Test The Audio

The next time we log into Myriad Anywhere Cloud, and enter Studio Control mode, a new button appears on the ribbon: **Connect To Audio**



Click on it, and it will open a pop-up window:



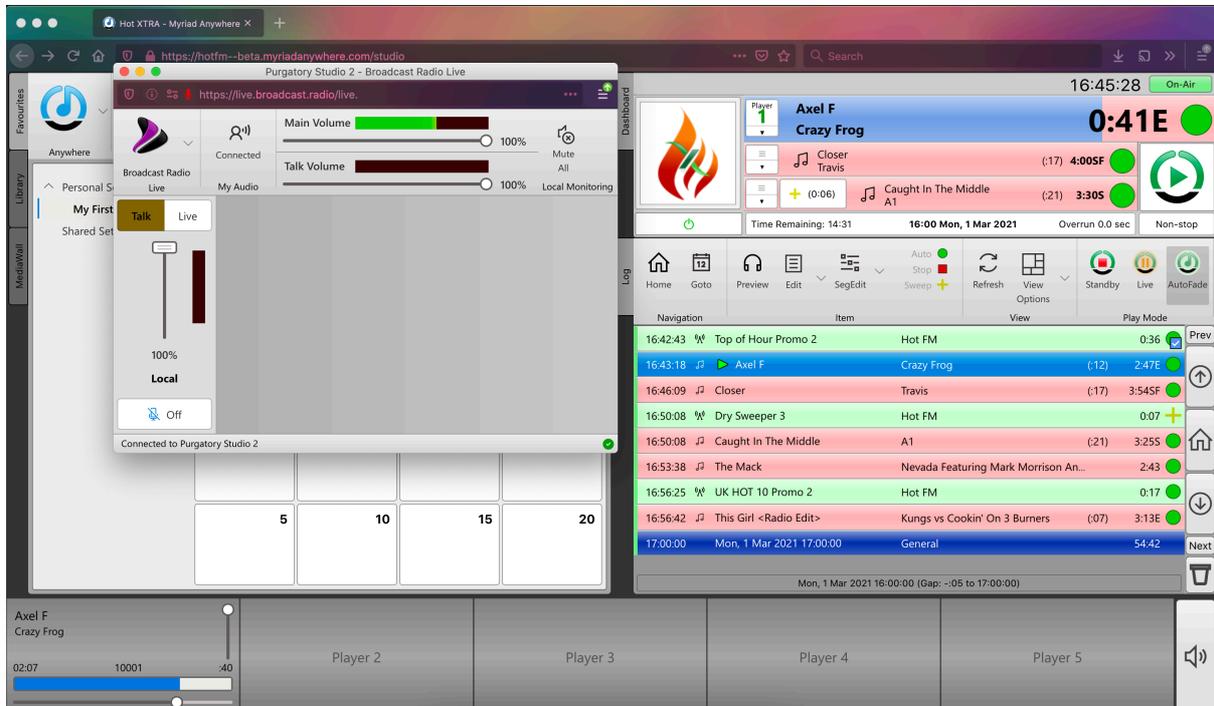
Select an input and an output as described, then click **Connect**.

If you leave the Input and Output selection blank, Broadcast Radio Live will use your default devices.

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When you click **Connect**, a new window will open with the familiar BR Live mixer.

It may take up to 10 seconds for the connection to the studio Room to be established, and for audio to play.



If you see "Studio Offline" in the bottom right corner, it is very likely that your network is blocking the Peer-to-Peer connection. Refer to the prerequisites section for guidance on working around this.