Technical Briefing: AIRCast External RTMP Live Feed

Streaming External Content to OnAIR via AIRCast

Depending on how your event is structured, you may need to stream externally produced content directly into OnAIR. This is a scenario that is quite common for professionally produced content using professional mixing technology or software.

Your attendees and presenters will experience the normal OnAIR views, with access to Live Q&A, Live Polling, Discussion Forum and more.

Setting Up Sessions to Accept an External Live Feed

Once you enable AIRCast for your event, there are a few settings you need to manage for each session you are setting up as an external live stream.

To enable an RTMP Live Feed, follow these steps:

1. Navigate to the OnAIR tab.

2. In Delivery Mode, select the option for External RTMP Live Feed Through AIRCast.

3. Once selected, the Stream Name field appears.

4. Enter a name for this live stream. It is important to note that you can use the same name for multiple sessions at different times, which helps your external production team identify this stream.

   The stream name should be all lower-case letters, with no spaces or special characters.

5. Next, you will need to make note of the RTMP/RTMPS Servers and RTMP Stream ID/KEY that is automatically generated.

RTMP Server	rtmp://livefeed.aircastcdn.com:1935/{ServerID}?rtmpauth={Username}:{Passwc	Copy URL
RTMPS Server	rtmps://livefeed.aircastcdn.com:1934/{ServerID}?rtmpauth={Username}:{Passw	Copy URL
RTMP Stream Id/Key	d69f37fb-2d8f-4ec8-89e9-58c24dc077fc-mainballroom	Copy ID

6. You have the choice of using RTMP or RTMPS. RTMPS encrypts your live stream, however it is not supported by all production software.

7. Prior to set up, you or your AV team must contact the EventsAir Account management team (accountmanagement@eventsair.com) to purchase the RTMP Server for the duration of your event.

8. Once purchased, you will receive an RTMP Server URL containing a Server ID, Username and Password. This URL, along with your Stream Name (also called Stream Key or Stream ID), should be given to your AV Partner to use in their streaming software or encoding device.

You will need to provide your AV Partner with the Encoder Settings below. It is most important that they adhere to the 720p (1280x720) resolution and maximum 2Mbps Bit Rate when sending a stream to AIRCast to ensure compatibility with our ultra-low latency servers. EXCEEDING THESE SETTINGS MAY RESULT IN A FAILURE OF YOUR STREAM AT ANY POINT DURING YOUR SESSION.

ENCODER SETTINGS
IMPORTANT INFORMATION TO PASS TO YOUR AV PARTNER:
To ensure compatibility please use the following encoder settings:
- Resolution: 720p (1280x720)
- Encoder: x264
- Rate Control: CBR
- Keyframe Interval: 2 (seconds)
- Profile: baseline
- X264 Options: -bframes 0
- Maximum Bit Rate: 2Mbps