

Technical Briefing: AIRCast External RTMP Live Feed

Last Modified on 02/28/2025 1:45 am EST

The instructions outlined below apply **after the release of the Version 15.1 SP5 Service Pack**.

Sometimes, you want to stream externally-produced content directly into OnAIR (such as if your A/V partner or video producer is using professional software to mix or enhance the live stream), as part of your hybrid or virtual event.

This article includes technical specifications for your encoder to use yourself or supply to your A/V partner.

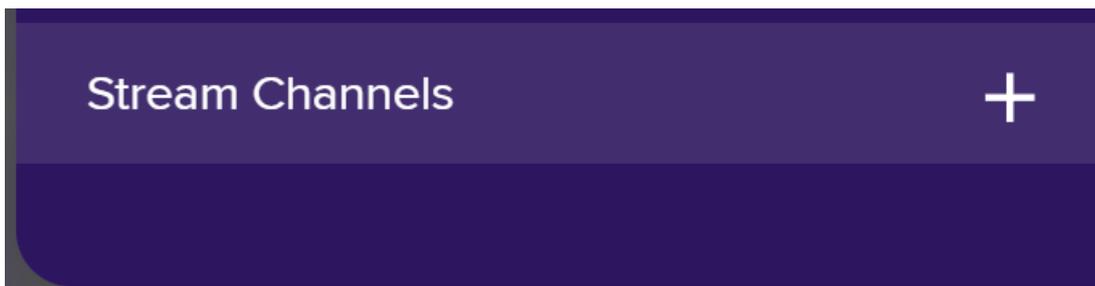
To see whitelisting and other protocols (to prevent video streaming being blocked by firewalls in security-conscious settings), [please refer to this article](#).

Once you enable AIRCast for your event, you need to:

STEP 1 – Create Stream Channel(s)

In the **Setup Panel, Presentations** look for the heading: “Stream Channels”.

Click the PLUS icon to add a new channel:



You'll need to name the channel and choose a location to stream from.

Note, streaming locations are set by our Content Delivery Network platform, so you need to choose based on where you'll be streaming from (if two streaming locations seem correct, you may want to consult a map and choose the closest to you for best results).

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Stream Channel Setup

Details

Name* Track 1 Channel

Stream From* Phoenix

i We recommend streaming from the city closest to your broadcast location, eg:

- Amsterdam for UK, Europe, Middle East and Africa
- Phoenix for USA, Canada, and Central & South America
- Bangalore or Singapore for Asia and Oceania

Clear Save

Click SAVE.

NOTE: You cannot change the region after creating the channel. If there's an error, you need to DELETE the channel and create a new one.

Make sure you create enough channels for your event.

If you have concurrent sessions, you CANNOT put them on the same channel. You need one channel for each agenda track.

STEP 2 – Check the channel(s) you've created

Under Stream Channels, you'll now be able to select the channel you just created, and check that:

- the region name is showing; AND
- the RTMP Server URL and Stream id/Key are both showing.

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Channel 1

Track 1 Channel

Stream Channel Setup

Details

Name* Track 1 Channel

Stream From* Phoenix

To change the streaming location for this channel, you need to delete and re-create it.

RTMP Server rtmp://rtmp-pmp Copy URL

RTMP Stream Id/Key ae1de36d688544e396d Copy ID

If these aren't showing, go back to Step 1, delete the channel and try again.

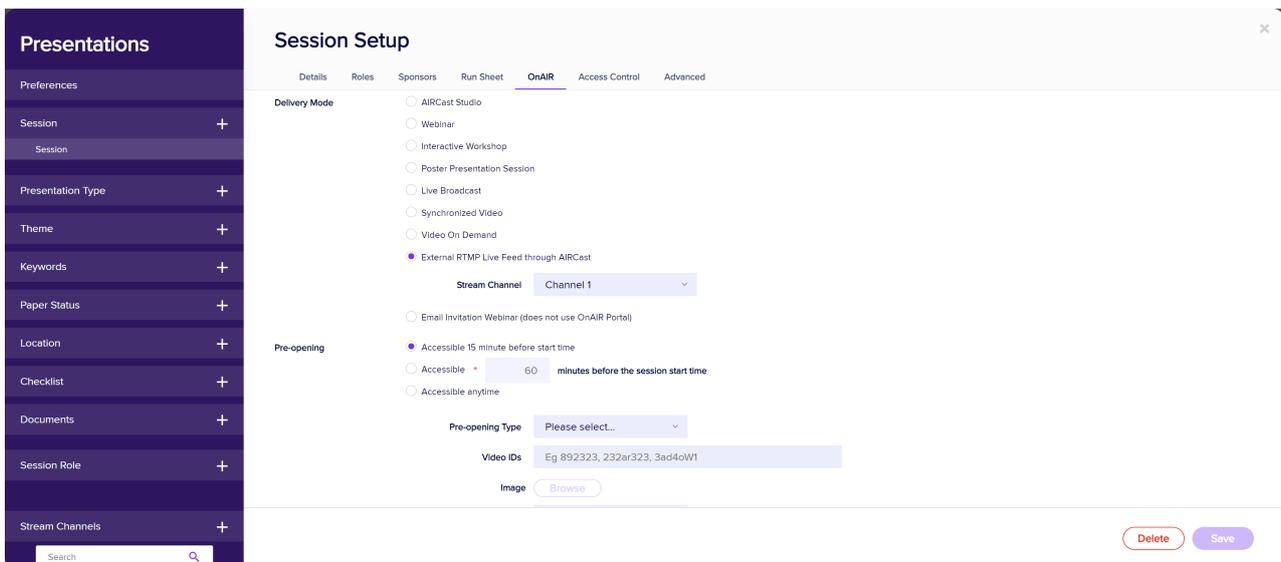
STEP 3 – Add the correct Stream Channel to each session

In each session requiring live streaming, under the OnAIR tab, check the box for “Enable Live Streaming”

Then for Delivery Mode, select either:

AIRCast RTMP OR Stream to AV partner

and select your chosen stream channel from the dropdown list.



After selecting the channel, you'll see the RTMP Server and Stream Id/Key appear in the session details.

Encoder settings

IMPORTANT: USE THESE ENCODER SETTINGS / GIVE THEM TO YOUR A/V PARTNER TO ENSURE COMPATIBILITY

Resolution:	1920 x 1080 px
Encoder:	x264
Rate Control:	CBR
Keyframe Interval:	0 (seconds)
Profile:	baseline
Bit Rate:	4500 Kbps–6000 Kbps [4.5Mbps – 6Mbps]
CPU Usage Preset:	veryfast
Tune:	zerolatency