



## Lumens MXA920 Array Microphone Set User Guide

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# Lumens®

**Lumens MXA920 Array Microphone Set**

**Specifications:**

- Brand: Shure
- Model: Array Microphone Set for Lumens CamConnect Pro
- Automatic Coverage: Off
- Lobe Width Options: Narrow, Medium
- IntelliMix Feature: Yes

**Product Usage Instructions****Prepare:**

1. Download Shure Web Device Discovery software from the provided hyperlink.
2. Install and run the software.
3. Obtain the IP address for the Shure ceiling microphone.
4. Open the web browser and enter the webpage of MXA920.

**Device Discovery:**

1. Download Shure Web Device Discovery software from the provided hyperlink.
2. Install and run the software.
3. Obtain the IP address for the Shure ceiling microphone.
4. Open the web browser and enter the webpage of MXA920.

**Coverage:**

1. Go to the Coverage page.
2. Remove all channels except channel 1 if channels have been previously set.

**Add Channel:**

1. Go to the Coverage page.
2. Add a channel manually.

### **Auto Position:**

1. Move to a seat and allow the microphone to identify your voice position.
2. Select a channel and press Auto Position.
3. Press Listen in the Auto Position pop-up.
4. The selected channel's position will be stored as a new lobe automatically.

- **Lobe Width Adjustment:**

Set the lobe width for each channel as Narrow or Medium to increase voice tracking accuracy and minimize lobe overlap.

- **Channel Mix (Automix):**

Adjust a channel's gain using faders on the Automix page to influence the automixer's gating decision. Boosting gain increases sensitivity, while lowering it decreases sensitivity.

- **IntelliMix:**

Configure IntelliMix settings and position according to requirements or defined camera presets.

- **Leave Last Mic On:**

This feature keeps the most recently used microphone channel active to maintain natural room sound in the signal during meetings.

- **Gating Sensitivity:**

Adjust the gating sensitivity to control how the microphone reacts to different sounds.

- **Voice Activation:**

Test channel activation when someone speaks on the IntelliMix page.

- **Priority:**

Set priority levels for channels as needed.

- **CamConnect Pro Setting:**

Configure settings specific to CamConnect Pro for optimal performance.

### **Frequently Asked Questions (FAQ):**

- **How can I adjust the lobe width for each channel?**

To adjust the lobe width, go to the specific channel settings and choose between Narrow or Medium options for increased accuracy in voice tracking.

- **What is the purpose of the Leave Last Mic On feature?**

The Leave Last Mic On feature ensures that the most recently used microphone channel remains active, preserving natural room sound during meetings and ensuring uninterrupted audio signals for remote participants.

Shure Array Microphone Set up Tips for Lumens CamConnect Pro

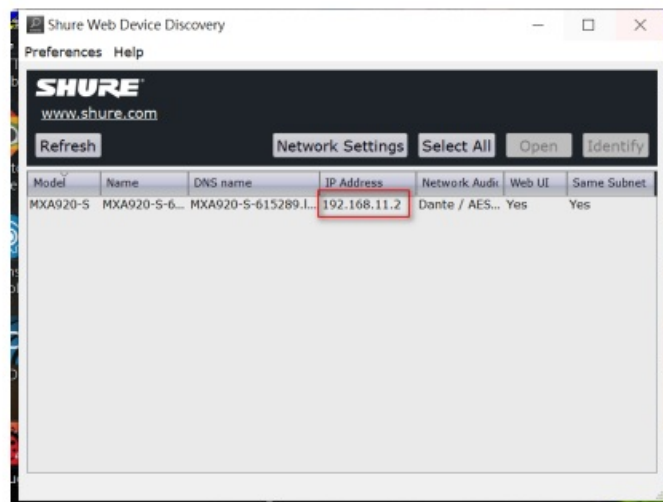
### **In this Guide**

- Integrate Lumens CamConnect Pro with Shure Array Microphones.
- Optimize Shure array microphones for camera tracking
- This document uses Shure MXA920 as an example microphone, installed above a conference table.

## Prepare

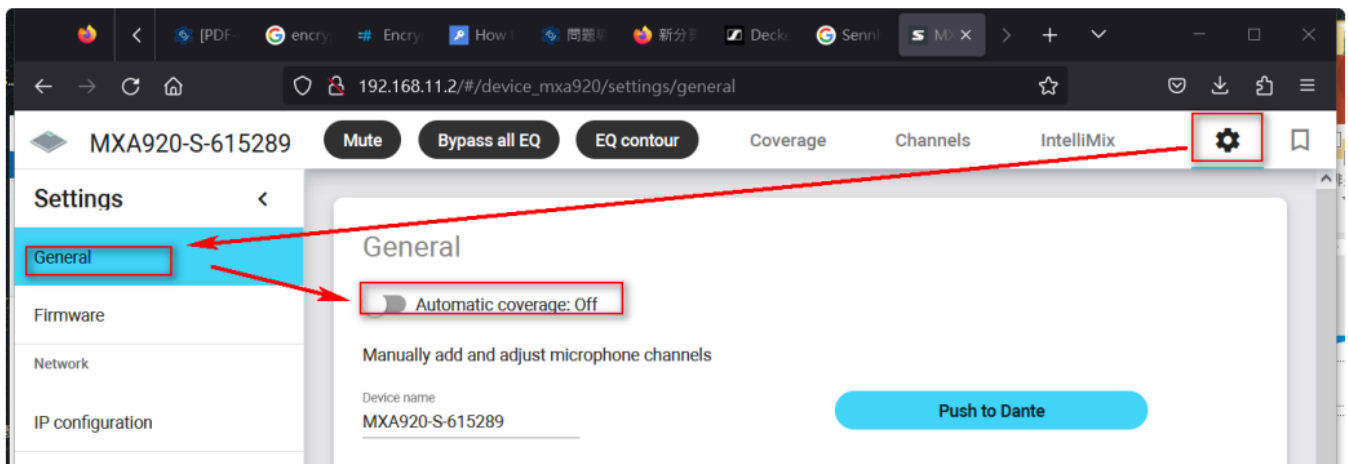
- This document uses Shure MXA920 as an example of setting.
- Install the Shure microphone, Lumens CamConnect processor and Lumens PTZ cameras on the same Ethernet network.
- For the first installation, turn on the switch's DHCP server.
- Install the Shure MXA920 in the ceiling above the center of a conference table

## Device Discovery



1. Download "Shure Web Device Discovery" software from below hyperlink. [https://www.shure.com/en-US/products/software/shure\\_web\\_device\\_discovery\\_application](https://www.shure.com/en-US/products/software/shure_web_device_discovery_application)
2. Install and run this software.
3. You will get the IP address for the Shure ceiling microphone.
4. Open the web browser and enter the webpage of MXA920.

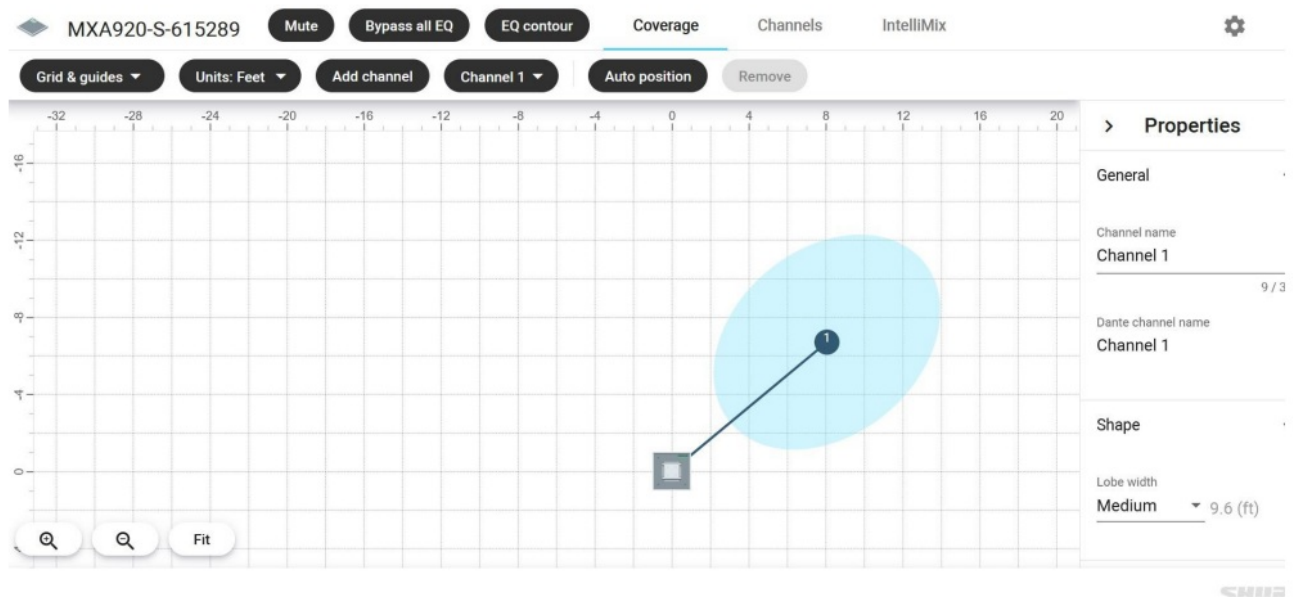
**Automatic coverage: off**



Set “Automatic coverage” to **off**

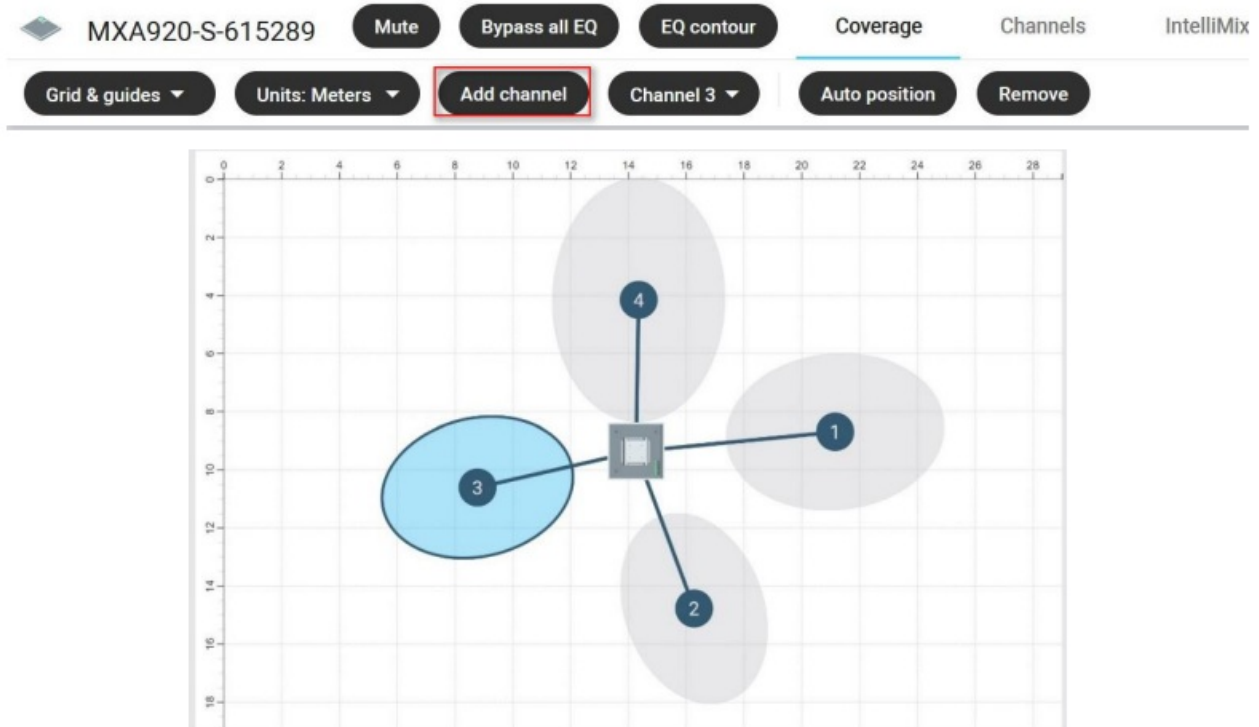
- Set “Automatic coverage” to off

## Coverage



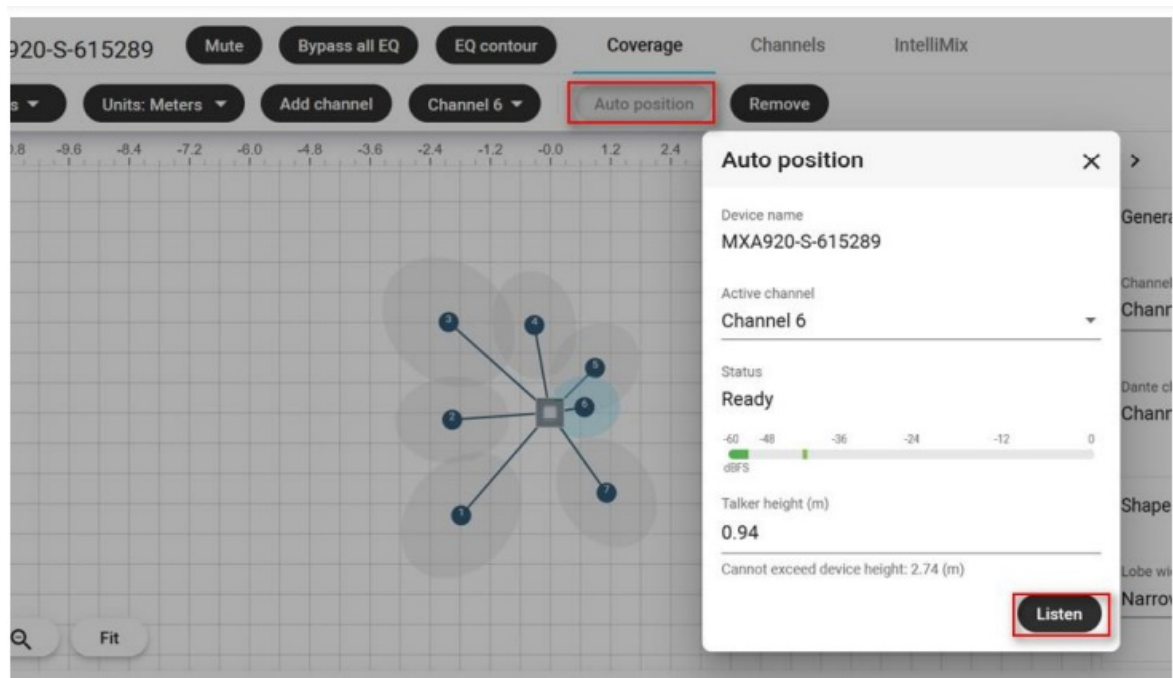
1. Go to the “Coverage” page.
2. If channels have previously been set, remove all channels with the exception of channel 1.

## Add channel



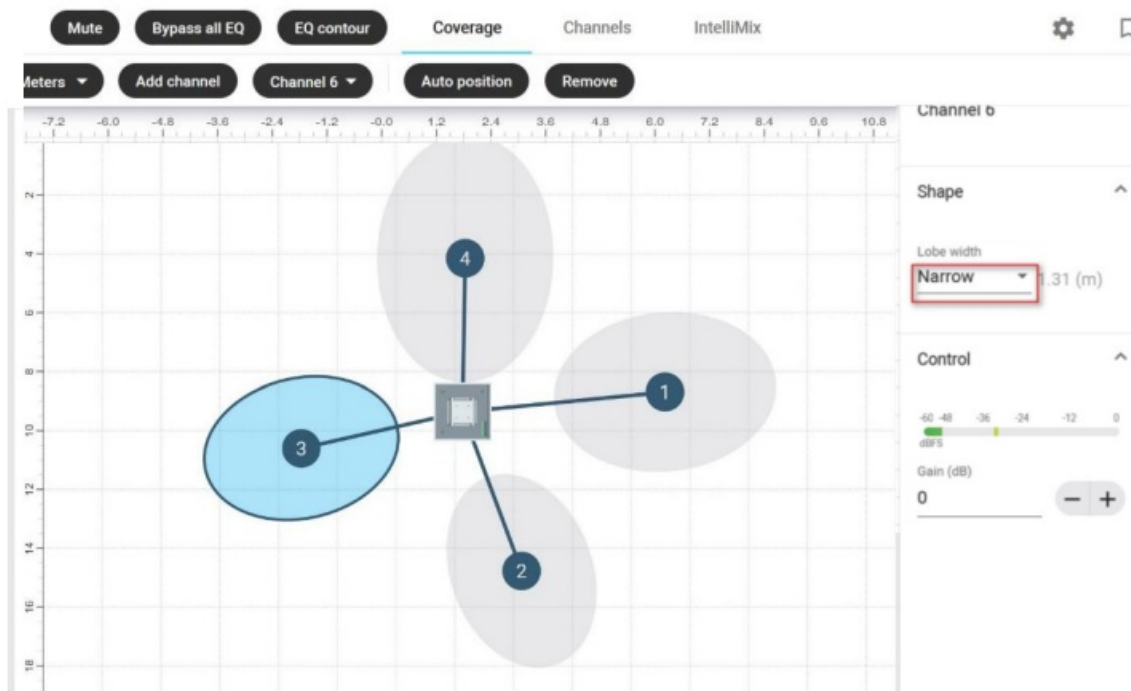
Manually add a channel

### Auto position



1. Move to a seat and allow the microphone to identify the position of your voice.
2. Select a channel, then press "Auto position".
3. Press "Listen" in the Auto position pop-up.
4. The position of the selected channel will be stored automatically as a new lobe.

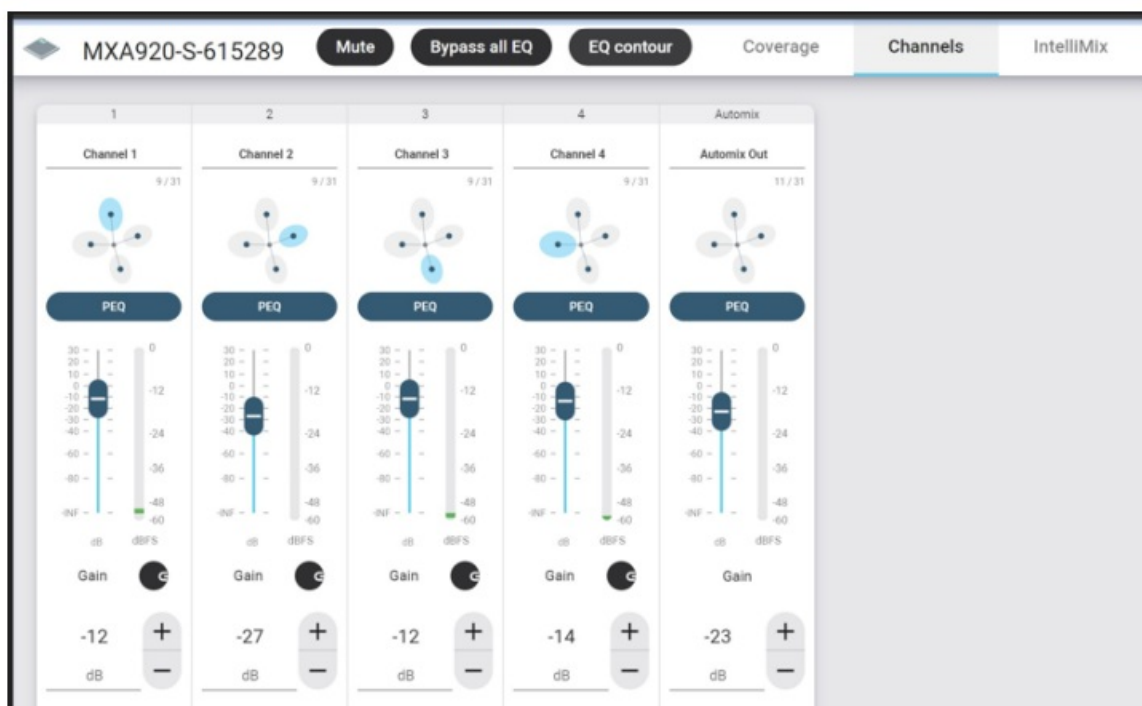
### Lobe width for the channel



Set the lobe width of each channel as “Narrow” or “Medium”.

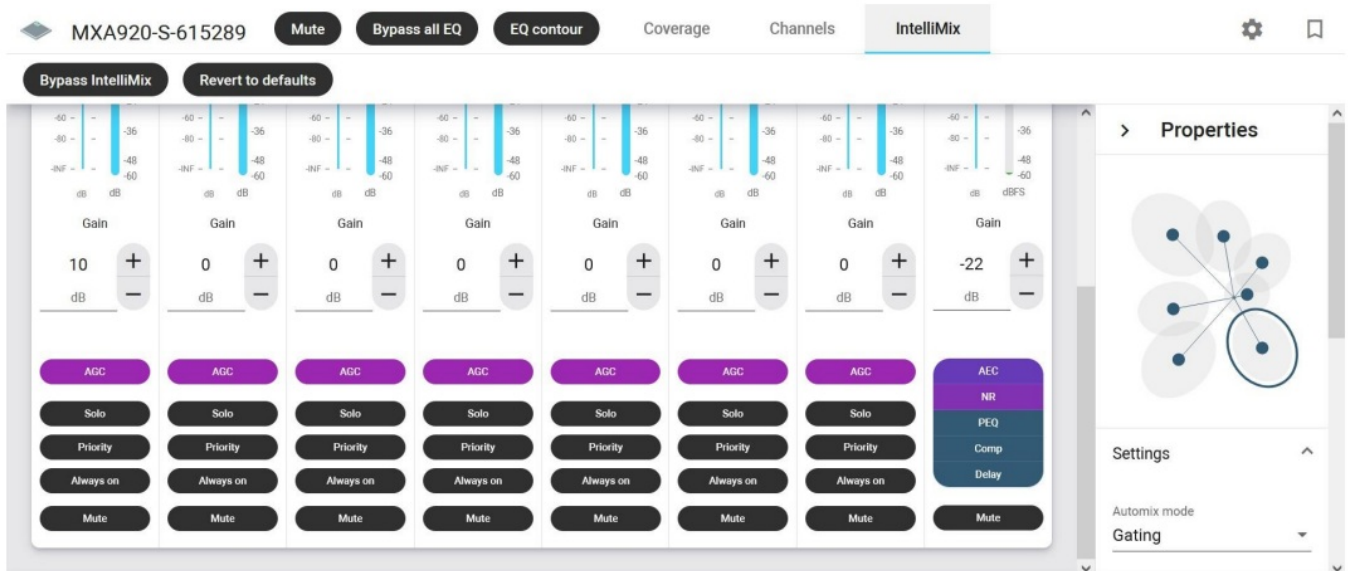
This will reduce the area covered by each lobe and increase the accuracy of voice tracking. Note, there should be minimal lobe overlap.

### Channel Mix (Automix)



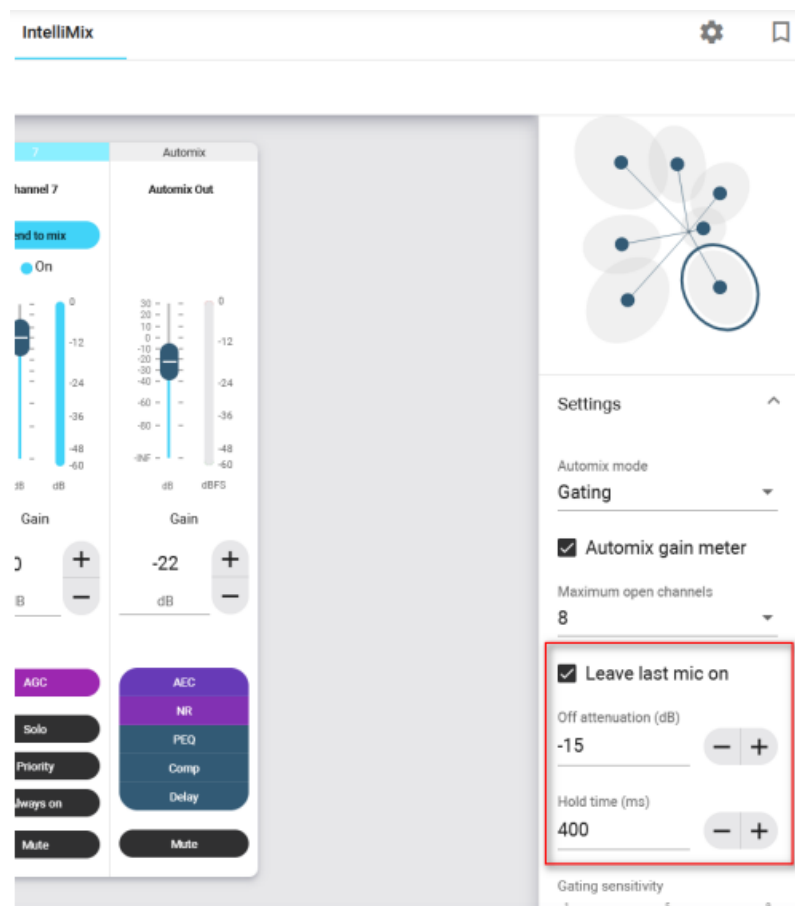
- Go to the Automix page. Use the faders to adjust a channel's gain before it reaches the auto-mixer and therefore affects the automixer's gating decision.
- Boosting the gain here will make the lobe more sensitive to sound sources and more likely to gate on. Lowering gain makes the lobe less sensitive and less likely to gate on.

### IntelliMix



- Disable “Always on” for all channels.
- When no sound is detected in the room, CamConnect will return to its home position (or a defined camera preset if required).

## Leave Last Mic On

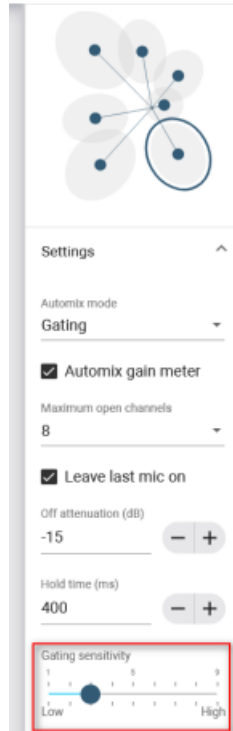


- Leave Last Mic On  
Keeps the most recently used microphone channel active.  
The purpose of this feature is to retain the natural room sound in the signal so that meeting participants on the far end know the audio signal has not been interrupted.



- Off Attenuation  
Sets the level of signal reduction when a channel is not active.
- Hold Time  
Sets the duration for which the channel remains open after the level drops below the gate threshold.

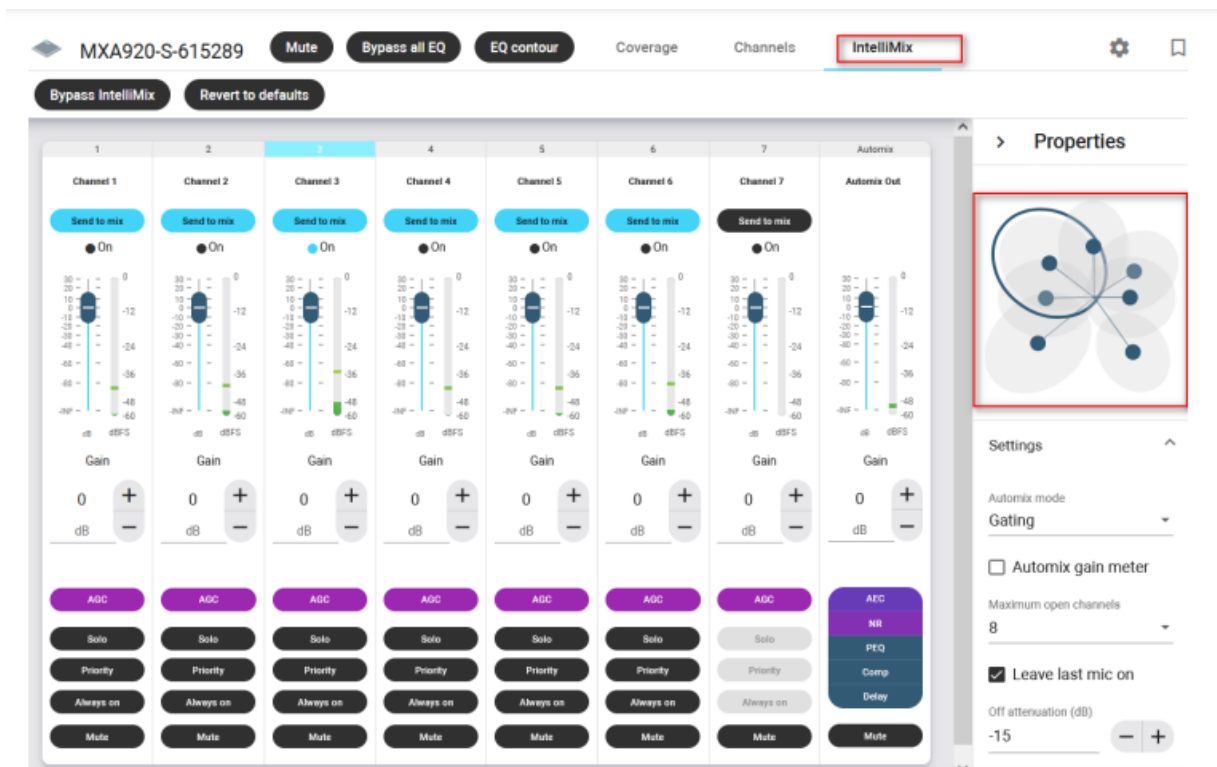
## Gating Sensitivity



## Gating Sensitivity

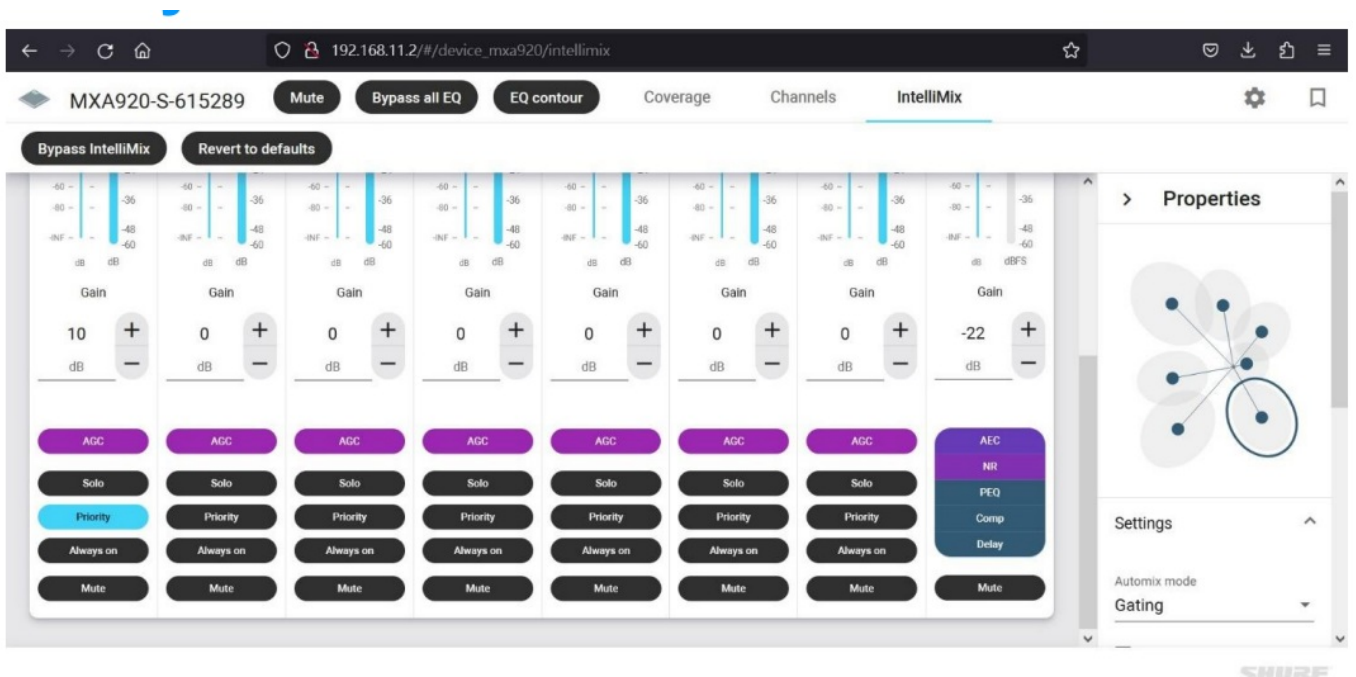
- Changes the threshold level at which the gate is opened
- Generally, this should be set between 2 and 5. Begin at level 2 and adjust it to find the most appropriate result for your meeting space.
- The higher the level, the more sensitive the voice-trigger, and the greater the frequency of camera switching.
- The higher the level, the greater the chance of picking up non-vocal sounds.

## Voice activation



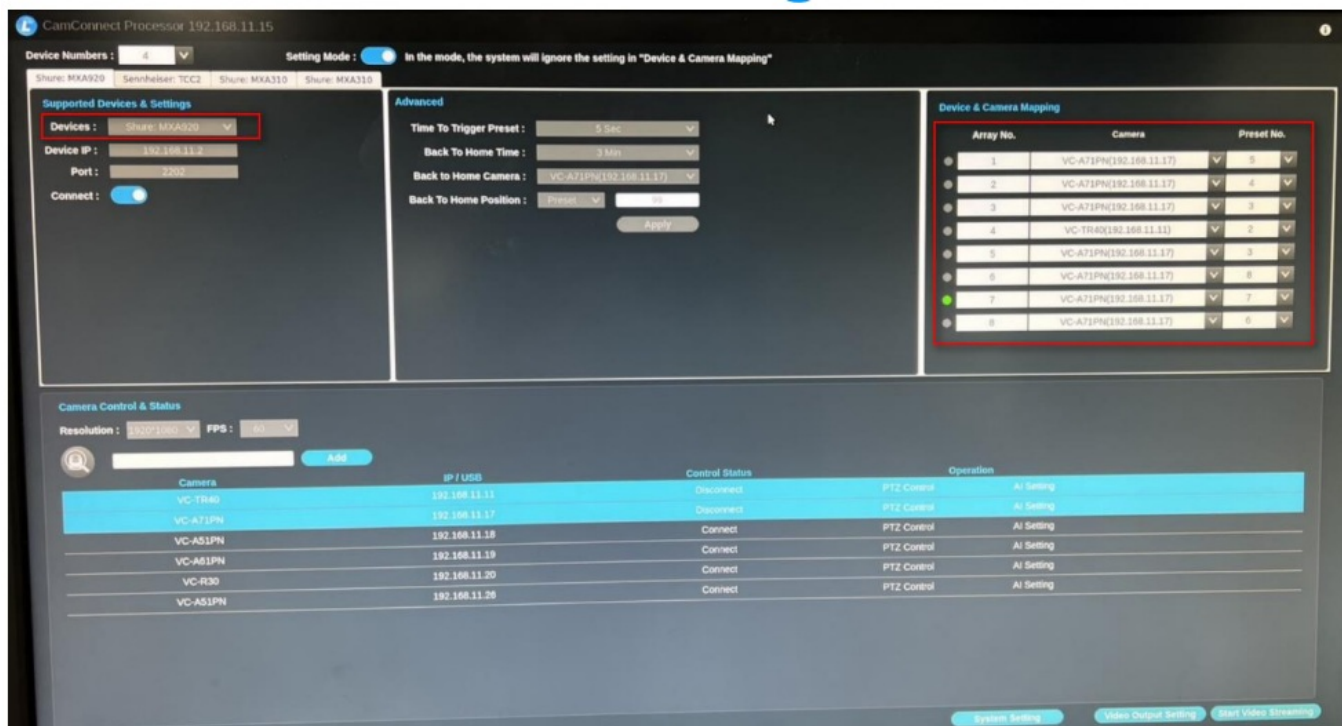
On the IntelliMix page, you can test whether the correct channel is activated when someone speaks.

## Priority



- If we enable "Priority" on channel 1. This means that when both channel 1 and channel 2 are talking, the signal of Channel 1 will be sent first
- For example, in a meeting. The main speaker is in the position of Channel 1. Channel 1 can be set with higher priority.


## CamConnect Pro Setting



- 1. Select the device as “Shure MXA920”
- 2. Mapping the “Array No.” to the Shure “Lobe channel number”.
- Refer to Lumens CamConnect set up videos for further settings.

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## Documents / Resources



[Lumens MXA920 Array Microphone Set \[pdf\] User Guide](#)

MXA920 Array Microphone Set, MXA920, Array Microphone Set, Microphone Set

## References

- [User Manual](#)

### [Manuals+.](#) [Privacy Policy](#)

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