

Shure Array Microphone Set up Tips for Lumens CamConnent Pro

In this Guide

- Integrate Lumens CamConnenct 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.

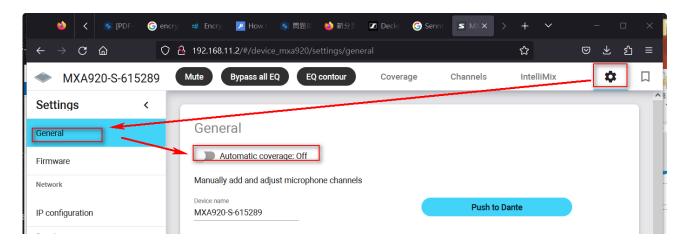
https://www.shure.com/en-

US/products/software/shure_web_device_discover
y 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.



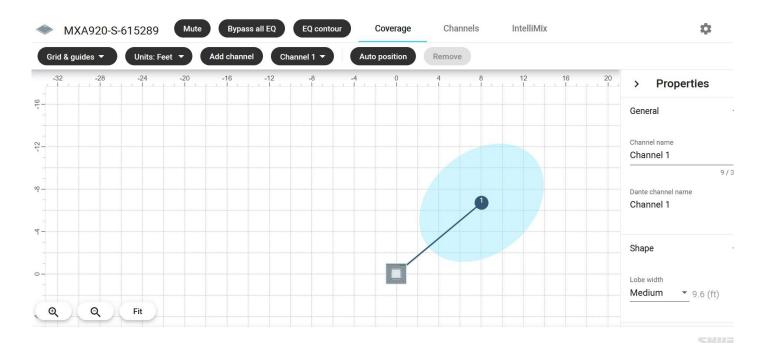
Automatic coverage: off



Set "Automatic coverage" to off



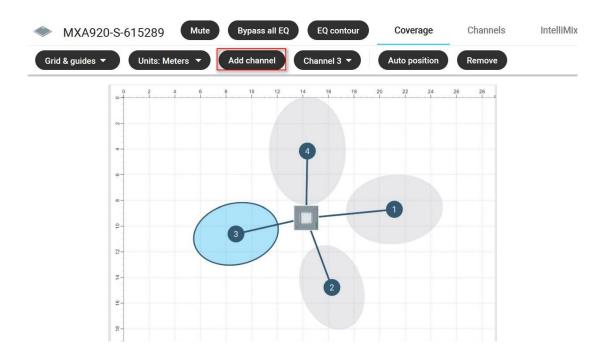
Coverage



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



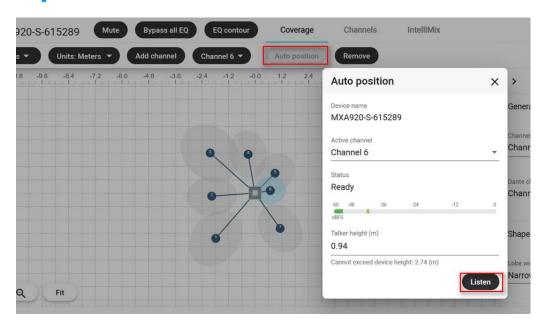
Add channel



Manually add a channel



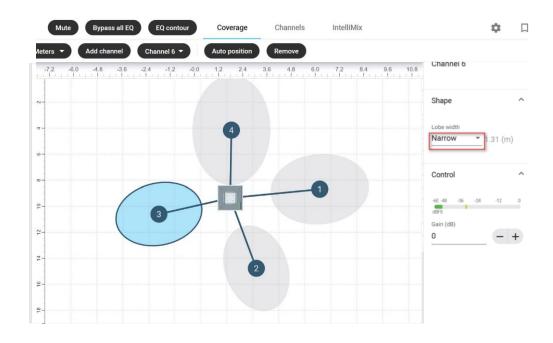
Auto position



- 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

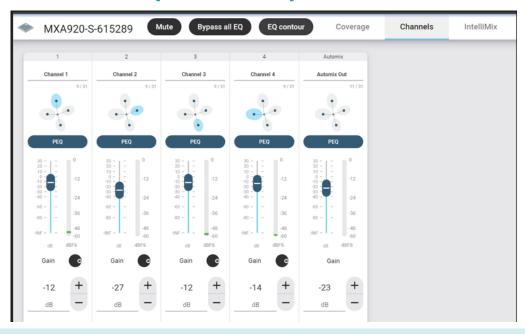


Set the lobe width of each channel as "Narrow" or "Medium".

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)

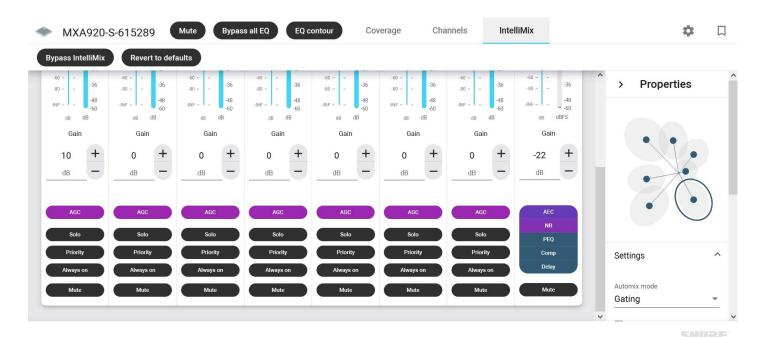


Go to the Automix page. Use the faders to adjust a channel's gain before it reaches the auto-mixer and therefore affects the automixer's gating decision.

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.



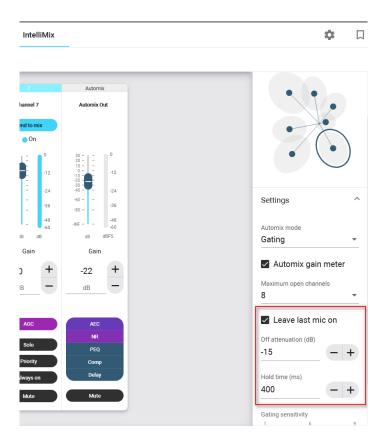
IntelliMix



- 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

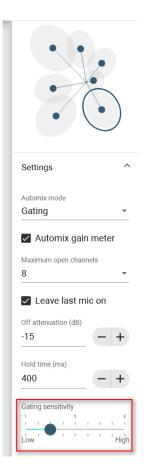
Sets the level of signal reduction when a channel is not active.

Hold Time

Sets the duration for which the channel remains open after the level drops below the gate threshold.



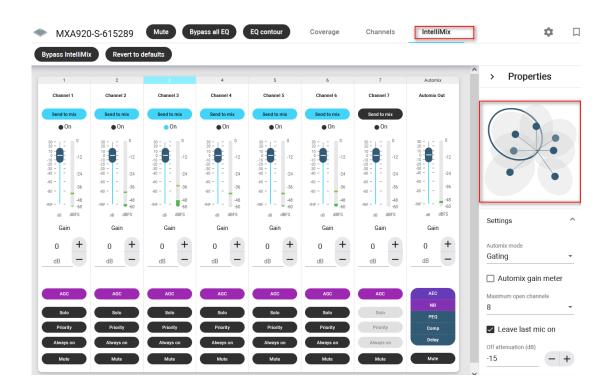
Gating Sensitivity



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.

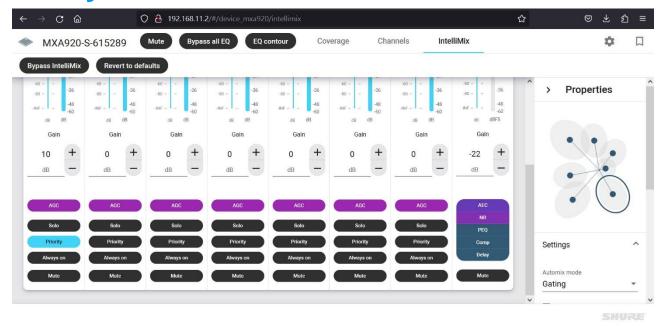
Voice activation



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



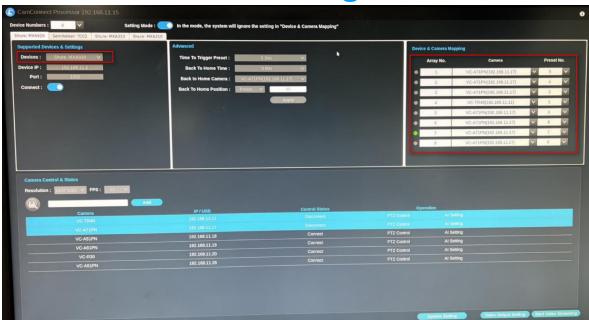
Priority



- 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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