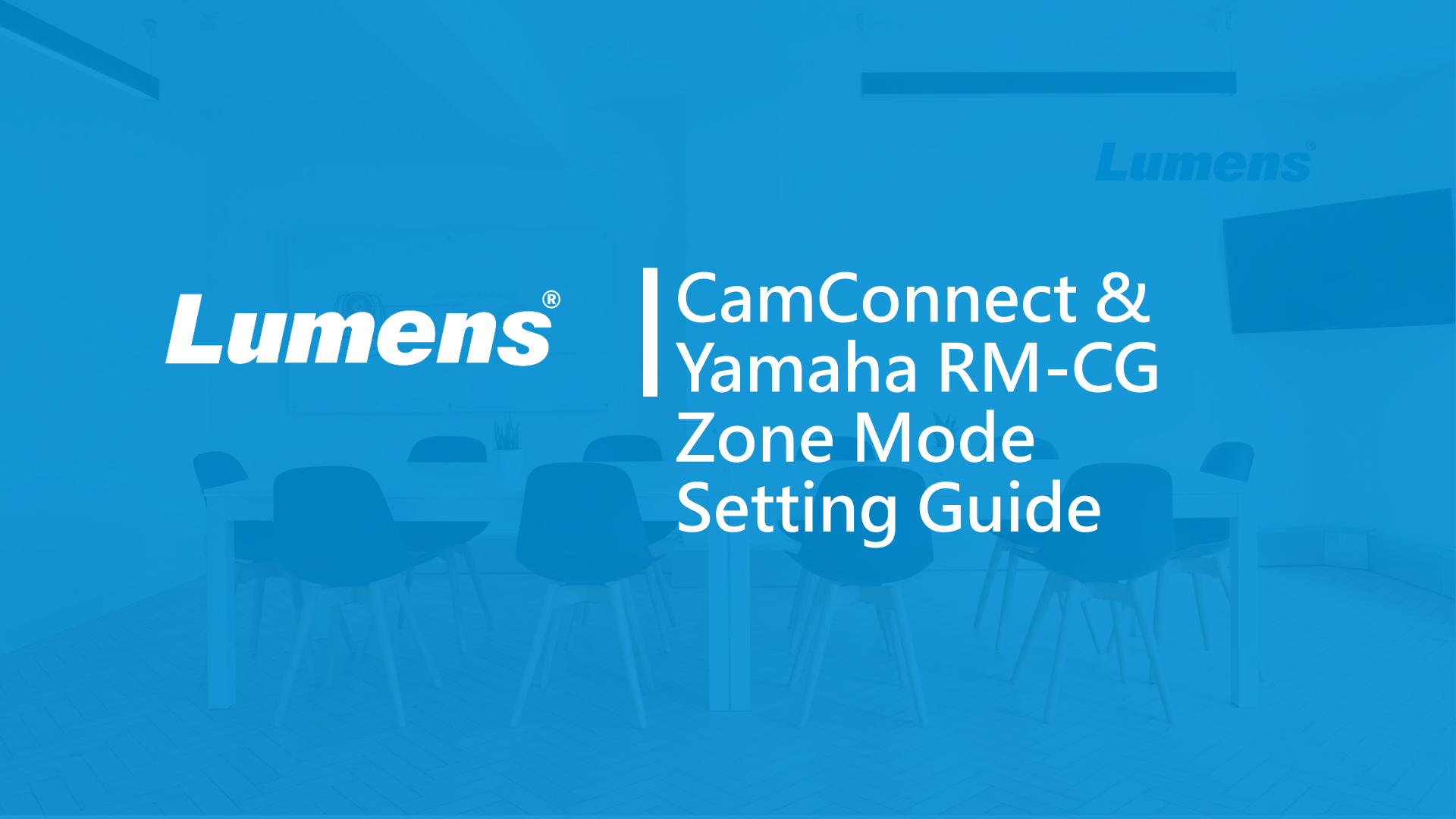


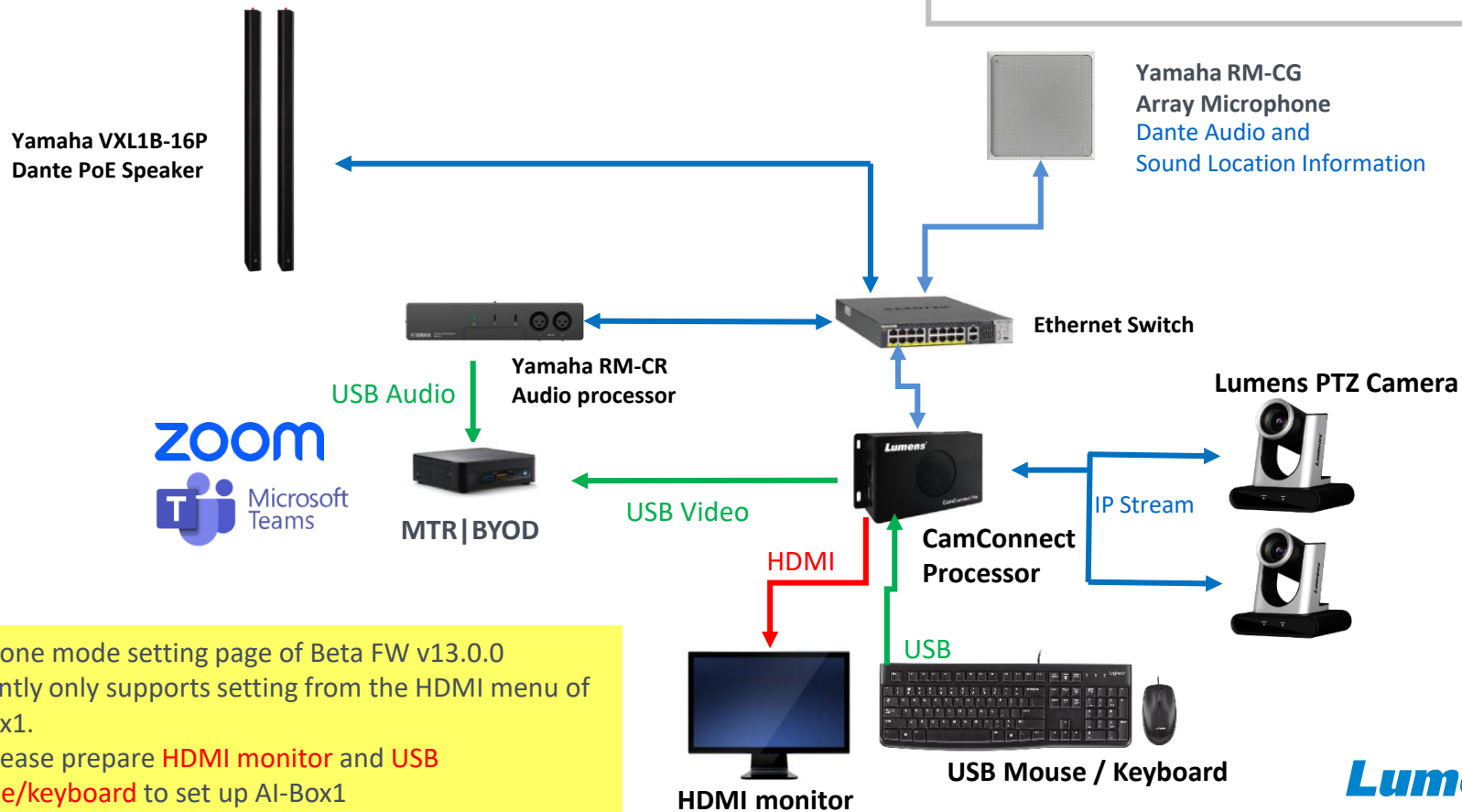


Lumens[®]

CamConnect & Yamaha RM-CG Zone Mode Setting Guide

Peripheral equipment

Your Reliable Partner



The Zone mode setting page of Beta FW v13.0.0 currently only supports setting from the HDMI menu of AI-Box1.

So, please prepare **HDMI monitor** and **USB mouse/keyboard** to set up AI-Box1

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Microphone Setting

Please set the **Ceiling height** and **talker's height** of Yamaha RM-CG according to the installation scenario.

According to our experience, **talker's high** will be set between 1.2~1.5

YAMAHA

RM-CG Device Manager

LOGOUT

Configure audio parameters in detail

SUBMIT

MICROPHONE SETTINGS

Beam Tracking Speed

Fast

Tracking area

The diagram illustrates the microphone settings and tracking area configuration. It consists of two main parts: a "Bird's Eye View" and a side-view cross-section.

Bird's Eye View: A green grid representing the floor area. A central point is labeled "LED Side". A horizontal orange line extends from the center to the right edge, labeled "② = 4m". A vertical orange line extends from the center to the top edge, labeled "① = 4m". The bottom edge is labeled "③ = -4m" and the left edge is labeled "④ = -4m". A small square area near the center is labeled "Yamaha Logo Side".

Side-view Cross-section: Shows a trapezoidal shape representing the microphone array. The top edge is labeled "LED". The bottom edge is labeled "Yamaha Logo". The distance from the center to the right edge is labeled "② = 4m". The distance from the center to the left edge is labeled "④ = -4m". The height from the floor to the top edge is labeled "⑤ Ceiling height" with a value of "3". The height from the floor to the bottom edge is labeled "⑥ Talker's height" with a value of "1.2".

A legend at the bottom indicates units: [m] and [ft.] with a toggle switch set to [m].

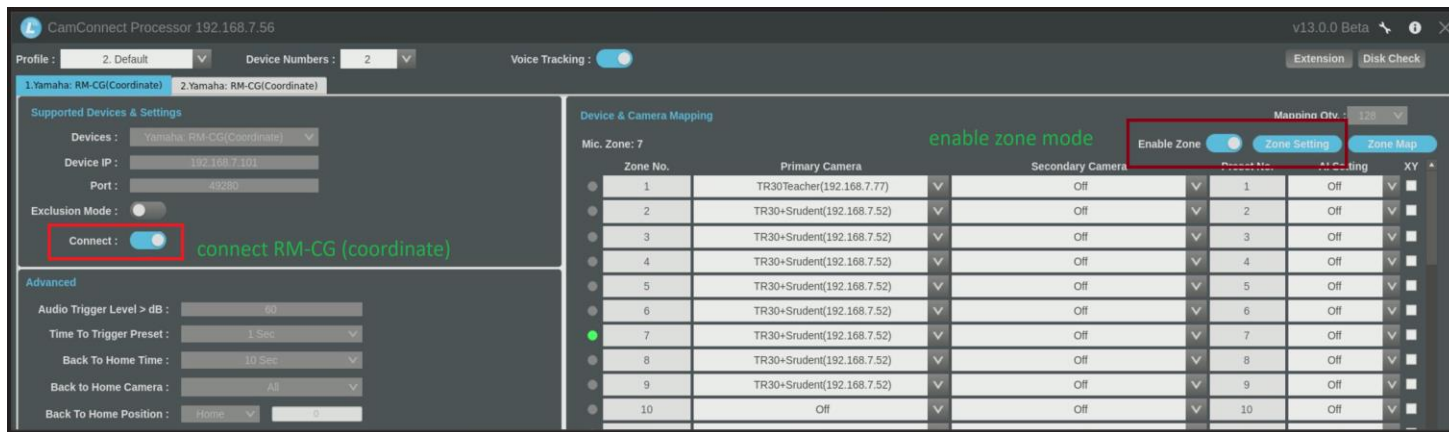
☒ Enable tracking area restriction  

Add focus area   ☐ A ☐ B

Add exclusion area   ☐ A ☐ B

DETAIL

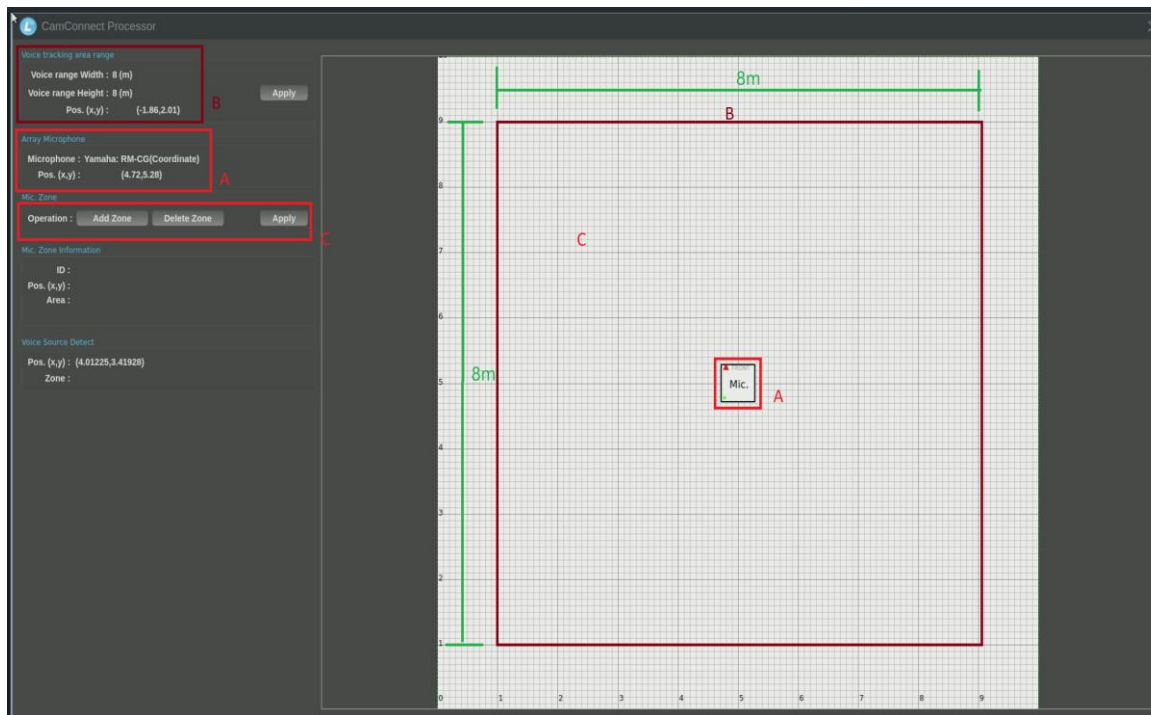
Connect Yamaha RM-CG and enable zone mode.



Important:

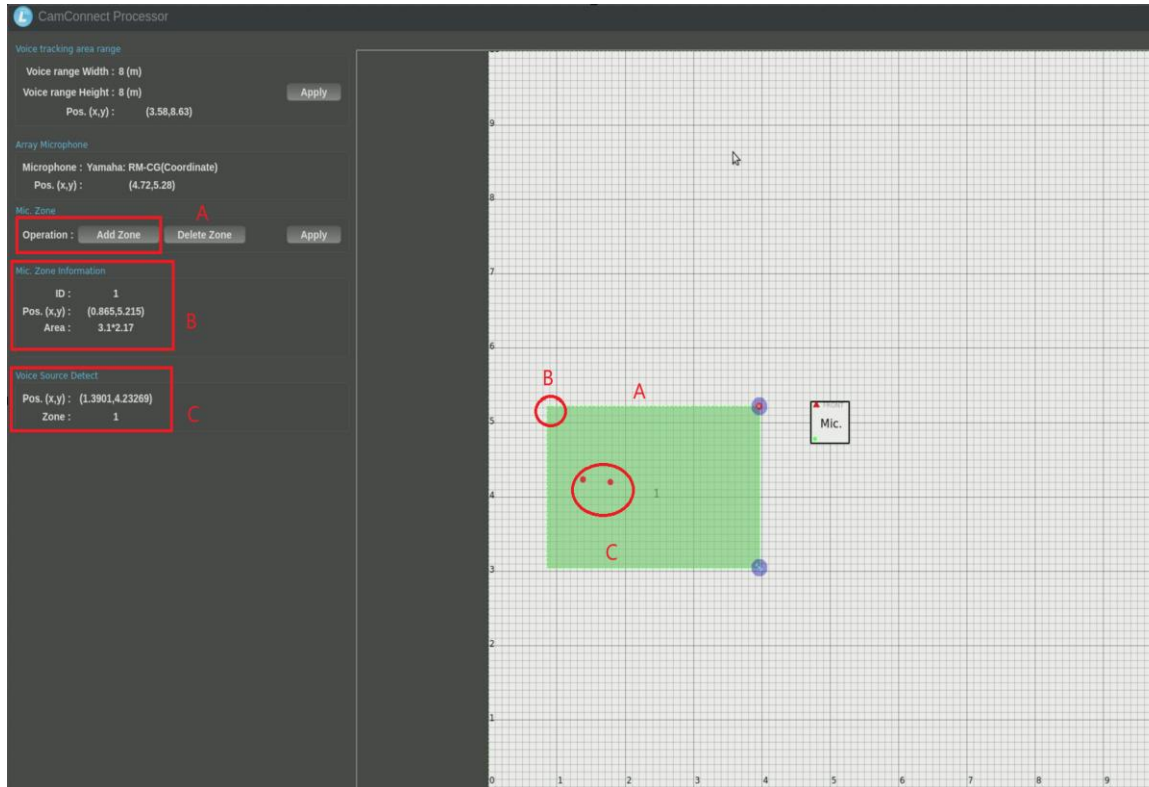
1. Please select “**Devices**” as “**Yamaha RM-CG(Coordinate)**”
2. Enabling zone mode will activate maximum 128 zones.
3. For zone mode, only use [**Enable zone**]
4. Click the [**Zone settings**].
5. Zone map and XY have nothing to do with this zone mode feature. DO NOT use together.

Introduction to Zone settings and components



- A. X, Y location of microphone in the room.
- B. Maximum pickup range of RM-CG. (Your zones should stay within this range)
- C. Zone canvas, this is where you add or delete zones.

Adding, positioning, re-sizing and deleting zones



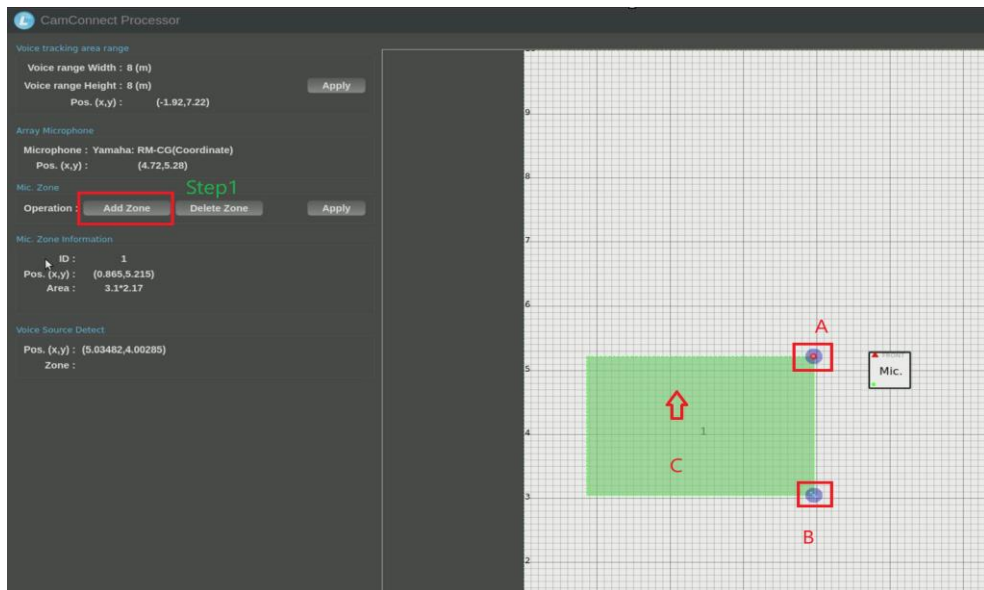
A. Click [**Add Zone**] once to create zone.

Important: To resize, position or delete zone you **MUST** click [Add Zone] again.

B. Shows X,Y position of zone in canvas, measured from the top left. Also the Area of the zone is shown in info area.

C. Shows voice source X,Y location and from which zone its coming from, position your zone around this.

Resizing and deleting zone



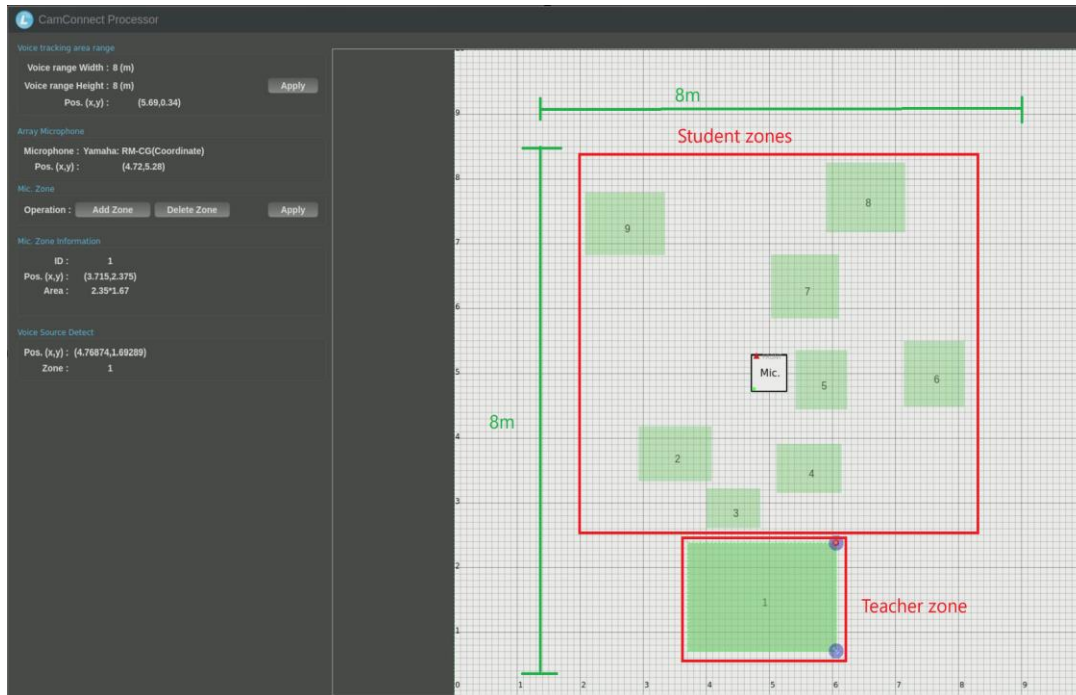
Step1: after adding a zone, to resize or position, click on add zone again.

Step 2: click on the zone you want to work on.

- A. Option to delete the zone.
- B. Option to resize the zone.
- C. Click on the zone and you can move it around in the canvas.

Step 3: click apply.

Example of Zones and preset in real life use case



- 9 zones are created inside the 8m x 8m RM-CG pickup range.
 - Each zone is labelled with an ID number, 1 to 9. These ID are incremental as they are being added.
 - Press apply after finishing work in zone settings.
- Apply button, in Mic. Zone section
- Note: see [others] section for more information and things to note about zones.

Mapping Zones to camera presets

CamConnect Processor 192.168.7.56 v13.0.0 Beta

Profile: 2. Default Device Numbers: 2 Voice Tracking: ☒ Extension Disk Check

1. Yamaha: RM-CG(Coordinate) 2. Yamaha: RM-CG(Coordinate)

Supported Devices & Settings

Devices: Yamaha: RM-CG(Coordinate)

Device IP: 192.168.7.101

Port: 8080

Exclusion Mode: ☐ Connect: ☒

Advanced

Audio Trigger Level > dB: 80

Time To Trigger Preset: 1 Sec

Back To Home Time: 10 Sec

Back To Home Camera: All

Back To Home Position: Home

Apply

Camera Control & Status

Video Output: ☒

Resolution: 1920x1080 FPS: 30

Zone No.	Primary Camera	Secondary Camera	Enable Zone	Preset No.	AI Setting	XY
1	TR30Teacher(192.168.7.77)	Off	☒	1	Off	☒
2	TR30+Srudent(192.168.7.52)	Off	☒	2	Off	☒
3	TR30+Srudent(192.168.7.52)	Off	☒	3	Off	☒
4	TR30+Srudent(192.168.7.52)	Off	☒	4	Off	☒
5	TR30+Srudent(192.168.7.52)	Off	☒	5	Off	☒
6	TR30+Srudent(192.168.7.52)	Off	☒	6	Off	☒
7	TR30+Srudent(192.168.7.52)	Off	☒	7	Off	☒
8	TR30+Srudent(192.168.7.52)	Off	☒	8	Off	☒
9	TR30+Srudent(192.168.7.52)	Off	☒	9	Off	☒
10	Off	Off	☒	10	Off	☒
11	Off	Off	☒	11	Off	☒
12	Off	Off	☒	12	Off	☒
13	Off	Off	☒	13	Off	☒
14	Off	Off	☒	14	Off	☒
15	Off	Off	☒	15	Off	☒
16	Off	Off	☒	16	Off	☒
17	Off	Off	☒	17	Off	☒
18	Off	Off	☒	18	Off	☒
19	Off	Off	☒	19	Off	☒
20	Off	Off	☒	20	Off	☒
21	Off	Off	☒	21	Off	☒
22	Off	Off	☒	22	Off	☒

Device & Camera Mapping

Mic. Zone: 400

Enable Zone: ☒ Zone Setting Zone Map

Mapping Qty: 128

Camera Control & Status

Device Name IP / USB Status Connect Operation

TR30+Srudent 192.168.7.52 Connected ☒ PTZ

TR30Teacher 192.168.7.77 Connected ☒ PTZ

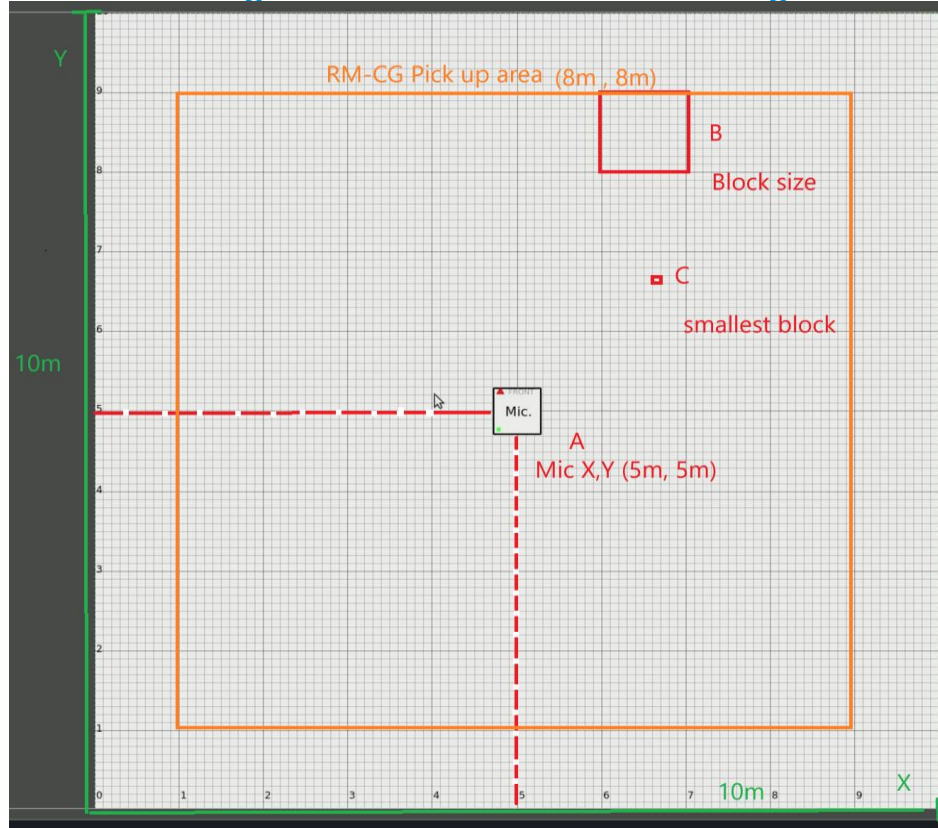
- Zone No. is the Zone ID in Zone Settings.
- Map camera (s) to each zone as required.
- Assign preset per camera to each zone as required.

NOTE:

DO NOT ENABLE XY FOR THE ZONES.

DO NOT OPERATE ZONE MAP, THIS IS A DIFFERENT FEATURE.

Others: Things to note about zone settings canvas area



1. The canvas (drawing area) size is 10m x 10m.
2. The RM-CG pickup range is 8m x 8m, place your zones inside this area.

Labelled:

- A. RM-CG is located at x, y, (5m, 5m) of canvas.
- B. The canvas block size is (1m x 1m).
- C. The smallest block size is (10 cm x 10 cm).

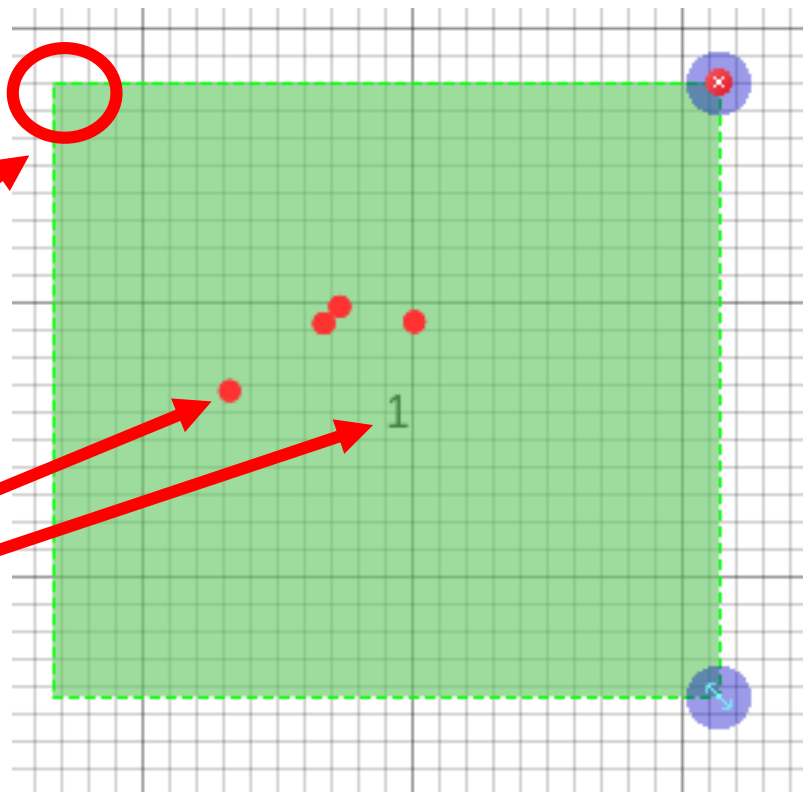
Others: zone information

Mic. Zone Information

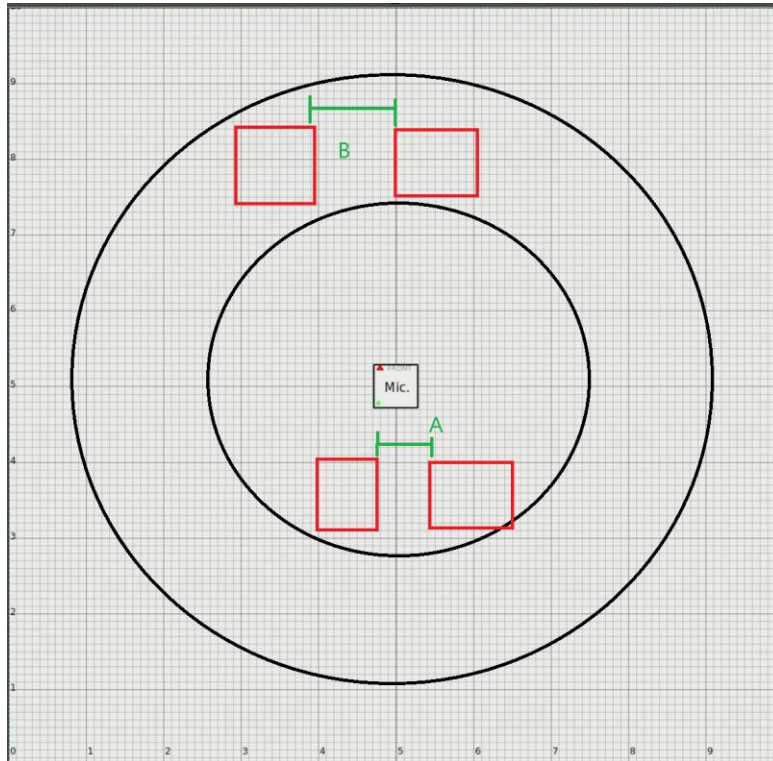
ID :	1
Pos. (x,y) :	(5.855,8.505)
Area :	2.46*2.23

Voice Source Detect

Pos. (x,y) :	(6.568,6.41183)
Zone :	1



Others: Distance between zones in relation to distance from RM-CG



- A. The closer you are to microphone, the closest distance between zones is 60cm.
- B. The further away you are from the microphone, the closest distance between zones is 100cm.

Thank You!



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