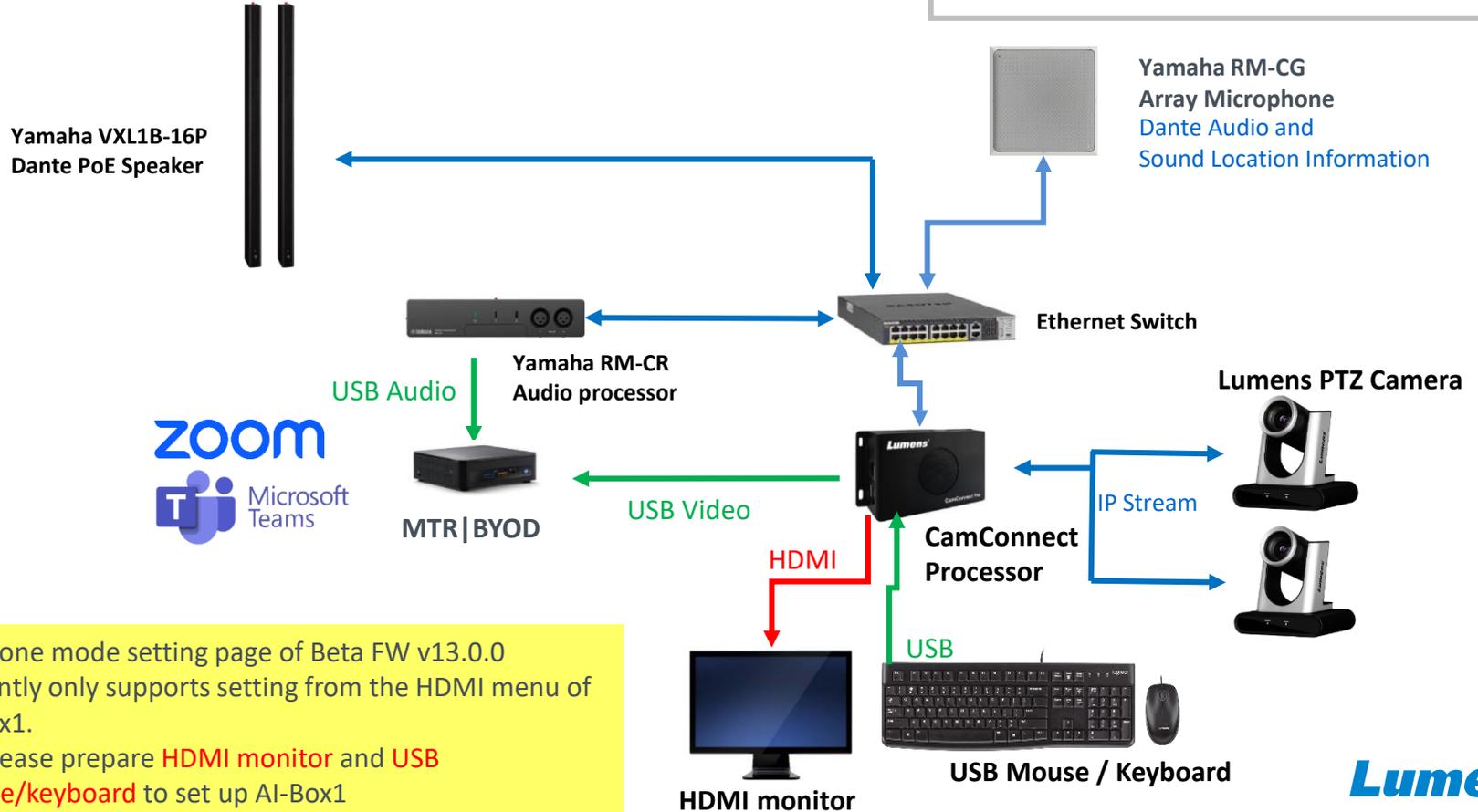


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Yamaha RM-CG(Coordinate) Zone Mode setting guide

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 i

Tracking area

① = 4m
② = 4m
③ = -4m
④ = -4m
0m
Yamaha Logo Side
LED Side
LED
Yamaha Logo
5) Ceiling height 3
6) Talker's height 1.2
[m] [ft.]

Enable tracking area restriction i

Add focus area i A B

Add exclusion area i A B

DETAIL

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Connect Yamaha RM-CG and enable zone mode.

The screenshot shows the CamConnect Processor web interface. The top bar displays the device name 'CamConnect Processor 192.168.7.56' and the version 'v13.0.0 Beta'. The interface is divided into several sections:

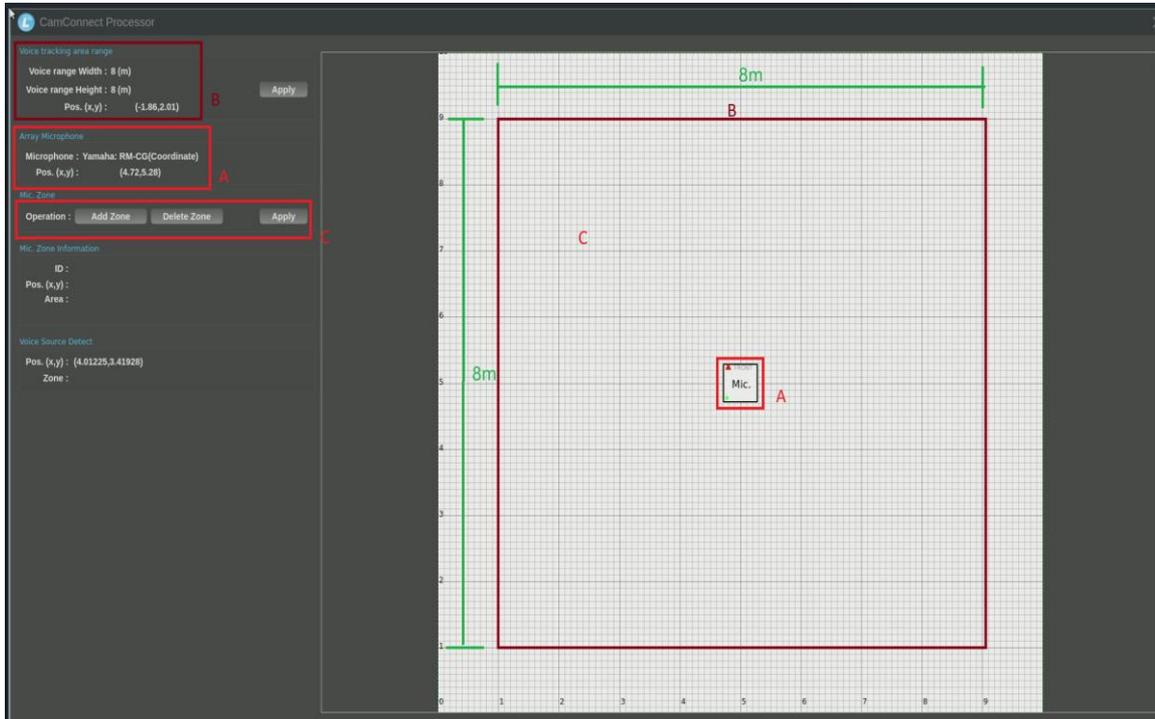
- Profile:** 2. Default, Device Numbers: 2, Voice Tracking:
- Supported Devices & Settings:**
 - Devices: Yamaha RM-CG(Coordinate)
 - Device IP: 192.168.7.101
 - Port: 49280
 - Exclusion Mode:
 - Connect: connect RM-CG (coordinate)
- Advanced:**
 - Audio Trigger Level > dB: 60
 - Time To Trigger Preset: 1 Sec
 - Back To Home Time: 10 Sec
 - Back To Home Camera: All
 - Back To Home Position: Home
- Device & Camera Mapping:**
 - Mic. Zone: 7
 - enable zone mode
 - Enable Zone: (highlighted with a red box)
 - Zone Setting: (highlighted with a red box)
 - Zone Map: (highlighted with a red box)

Zone No.	Primary Camera	Secondary Camera	Pres No.	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	▼

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

The screenshot shows the CamConnect Processor interface. On the left, there are several configuration panels:

- Voice tracking area range:** Voice range Width: 8 (m), Voice range Height: 8 (m), Pos. (x,y): (3.58,8.63). An **Apply** button is present.
- Array Microphone:** Microphone: Yamaha: RM-CG(Coordinate), Pos. (x,y): (4.72,5.28).
- Mic. Zone:** Operation: **Add Zone** (highlighted with a red box and labeled 'A'), Delete Zone, Apply.
- Mic. Zone Information:** ID: 1, Pos. (x,y): (0.865,5.215) (highlighted with a red box and labeled 'B'), Area: 3.1*2.17.
- Voice Source Detect:** Pos. (x,y): (1.3901,4.23269) (highlighted with a red box and labeled 'C'), Zone: 1.

The main canvas on the right shows a grid with a green square zone. The zone's top-left corner is at (0.865, 5.215), labeled 'B'. The zone's center is at (1.3901, 4.23269), labeled 'C'. A microphone icon labeled 'Mic.' is positioned at (4.72, 5.28), labeled 'A'. The zone is labeled '1' in the center.

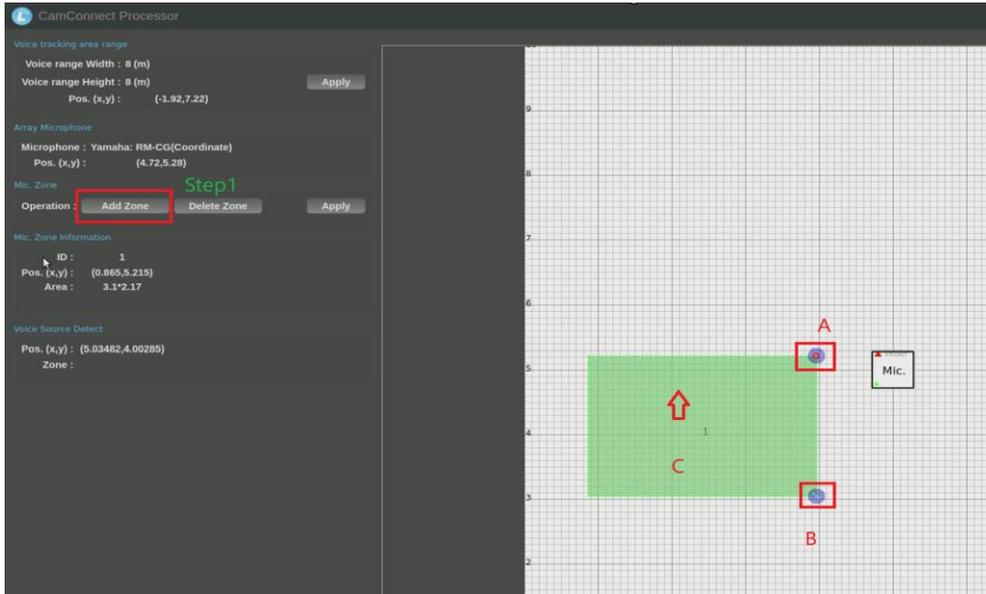
A. Click [**Add Zone**] once to create zone.

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



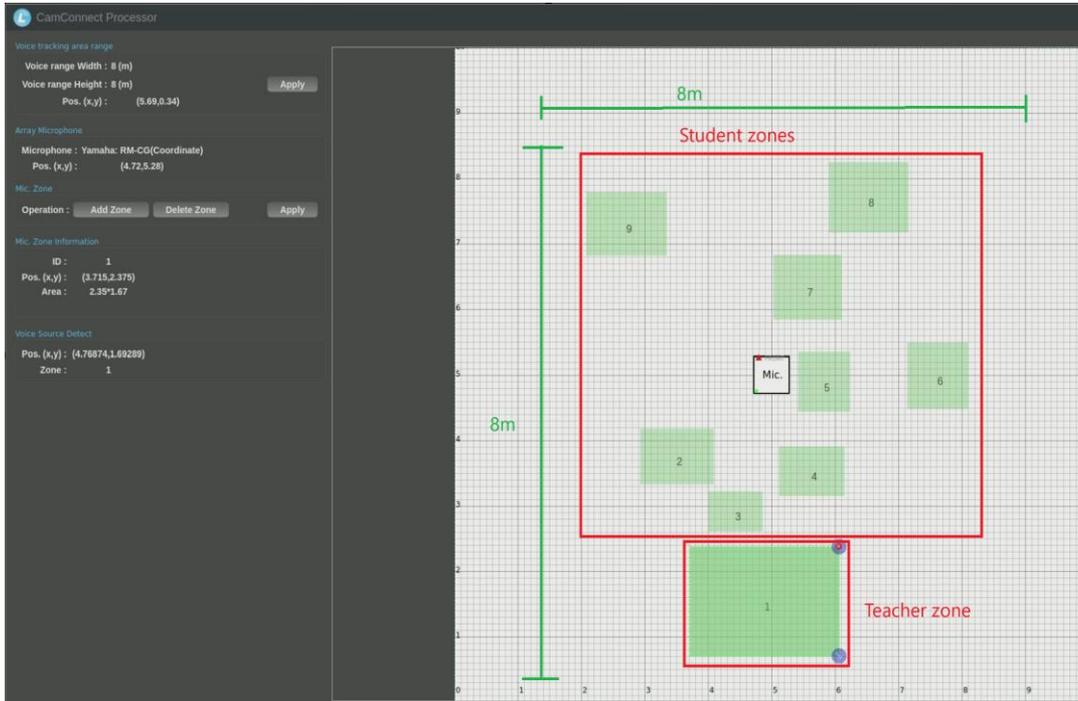
Step1: after adding a zone, to resize or position, click on add zone again.

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:

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: 3200

Exclusion Mode:

Connect:

Advanced

Audio Trigger Level > dB: 90

Time To Trigger Preset: 1 Sec

Back To Home Time: 10 Sec

Back to Home Camera: All

Back To Home Position: Home

Apply

Video Output

Camera Control & Status

Resolution: 1080P (1080) FPS: 30

Zone No.	Primary Camera	Secondary Camera	Enable Zone	Preset No.	AI Setting	XY
1	TR30+Teacher(192.168.7.77)	Off	<input checked="" type="checkbox"/>	1	Off	<input type="checkbox"/>
2	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	2	Off	<input type="checkbox"/>
3	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	3	Off	<input type="checkbox"/>
4	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	4	Off	<input type="checkbox"/>
5	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	5	Off	<input type="checkbox"/>
6	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	6	Off	<input type="checkbox"/>
7	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	7	Off	<input type="checkbox"/>
8	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	8	Off	<input type="checkbox"/>
9	TR30+Student(192.168.7.52)	Off	<input checked="" type="checkbox"/>	9	Off	<input type="checkbox"/>
10	Off	Off	<input checked="" type="checkbox"/>	10	Off	<input type="checkbox"/>
11	Off	Off	<input checked="" type="checkbox"/>	11	Off	<input type="checkbox"/>
12	Off	Off	<input checked="" type="checkbox"/>	12	Off	<input type="checkbox"/>
13	Off	Off	<input checked="" type="checkbox"/>	13	Off	<input type="checkbox"/>
14	Off	Off	<input checked="" type="checkbox"/>	14	Off	<input type="checkbox"/>
15	Off	Off	<input checked="" type="checkbox"/>	15	Off	<input type="checkbox"/>
16	Off	Off	<input checked="" type="checkbox"/>	16	Off	<input type="checkbox"/>
17	Off	Off	<input checked="" type="checkbox"/>	17	Off	<input type="checkbox"/>
18	Off	Off	<input checked="" type="checkbox"/>	18	Off	<input type="checkbox"/>
19	Off	Off	<input checked="" type="checkbox"/>	19	Off	<input type="checkbox"/>
20	Off	Off	<input checked="" type="checkbox"/>	20	Off	<input type="checkbox"/>
21	Off	Off	<input checked="" type="checkbox"/>	21	Off	<input type="checkbox"/>
22	Off	Off	<input checked="" type="checkbox"/>	22	Off	<input type="checkbox"/>

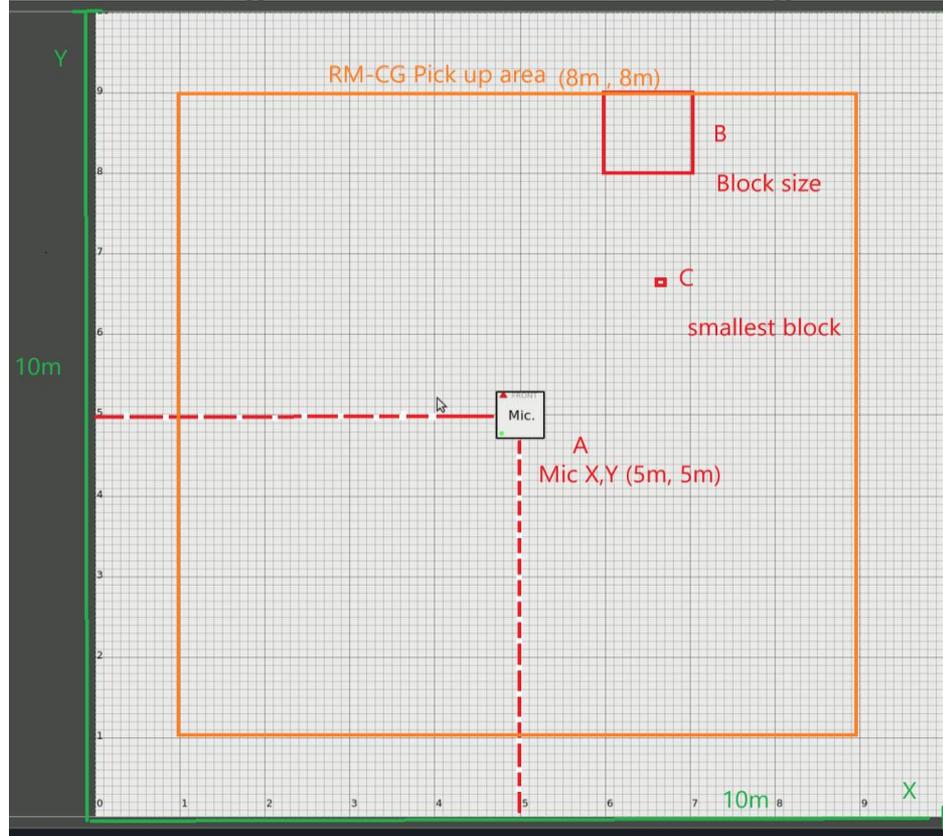
- Zone No. is the Zone ID in Zone Settings.
- Map camera (s) to each zone as required.
- Assign preset per camera to each zone as required.

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).

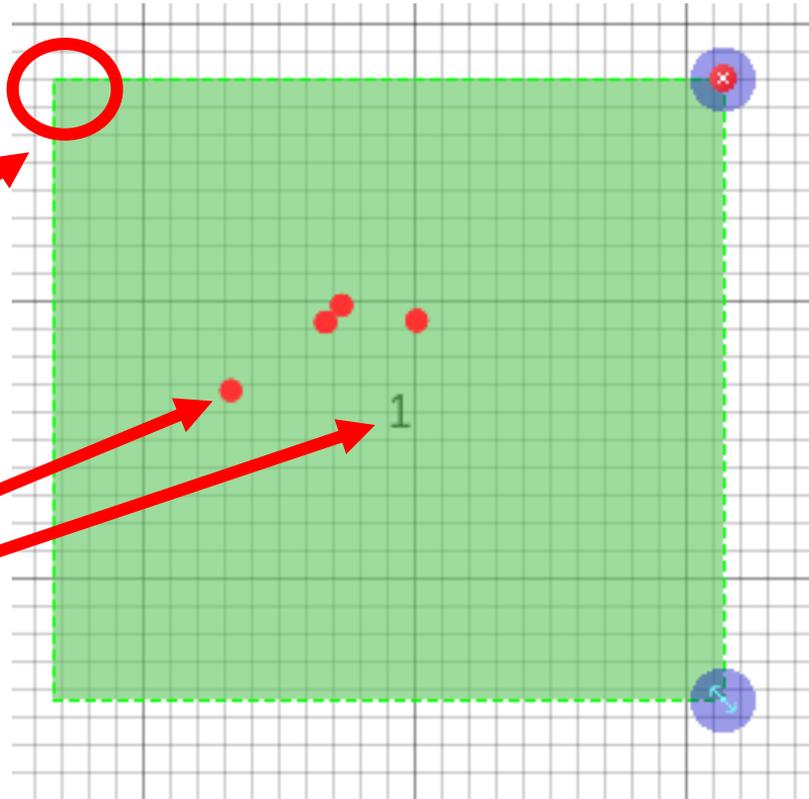
Others: zone information

Mic. Zone Information

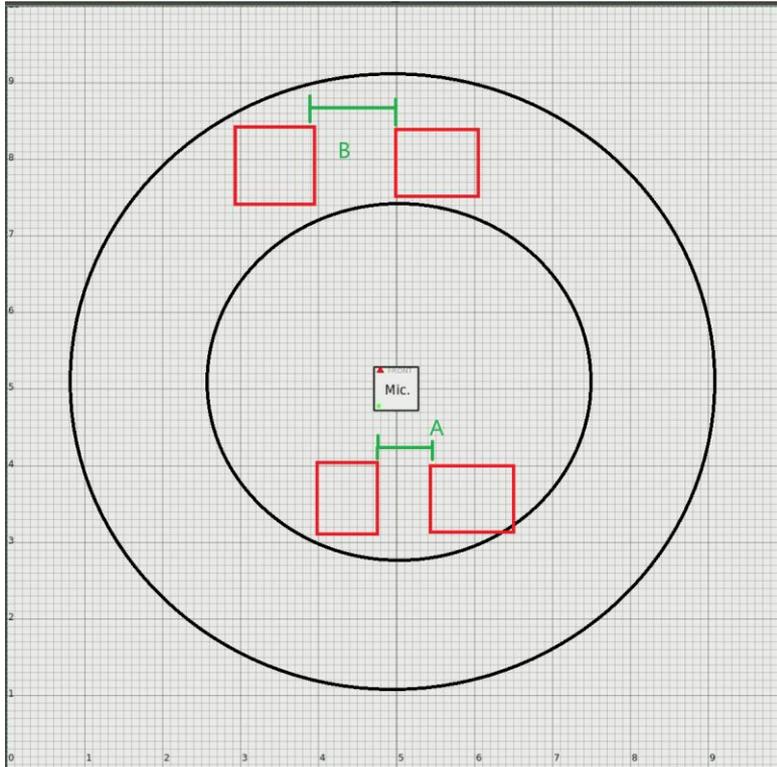
ID :	1
Pos. (x,y) :	(5.855,8.505)
Area :	2.46*2.23

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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