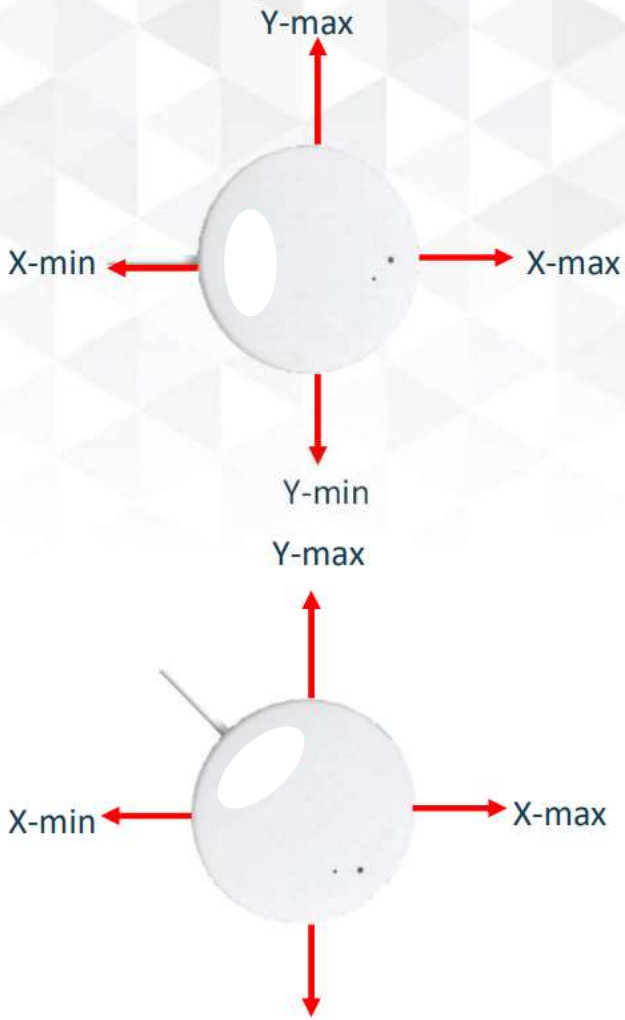
Ceiling Mounting

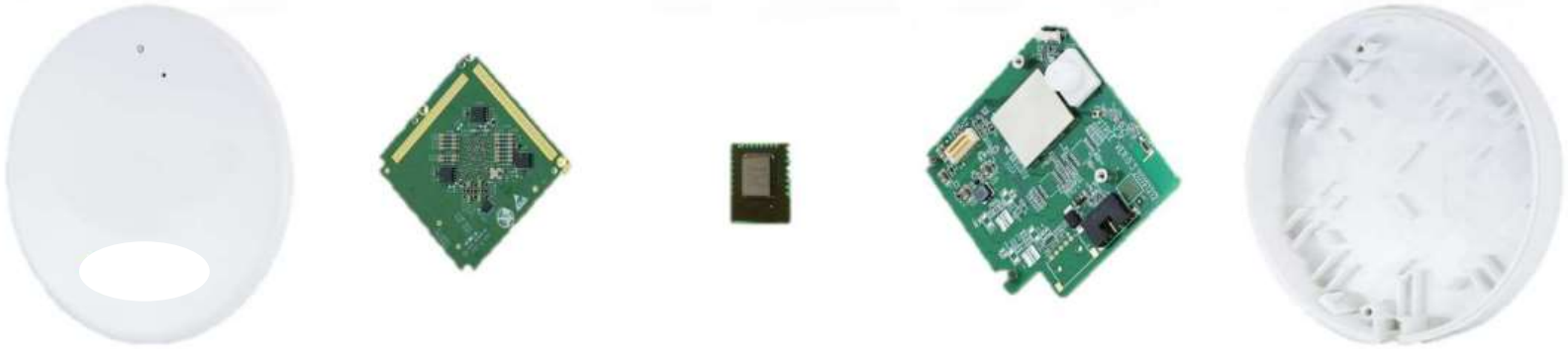
Mounting the Device on the Ceiling

- The device should not be mounted near a ceiling fan or hanging light fixture.
- The device should not be mounted on a light fixture or smoke alarm, the device needs to be mounted on the ceiling itself.
- The face of the device needs to be facing the floor.
- The maximum room size is 4m Width x 5m Length
  - Maximum of 2m in each direction along the width (X-axis)
  - Maximum of 2.5m in each direction along the length (Y-axis)
- The range of height of the device is 2.5-3m from floor to ceiling.
- There are two possible orientation methods for ceiling mounting, straight or angled at 45 degrees. The angled method works slightly better at a distance.
- **NOTE:** If doing a ceiling mounting you will still need to go through all the configuration steps on the mobile app, but you can enter in arbitrary numbers because those are for a wall mounting.

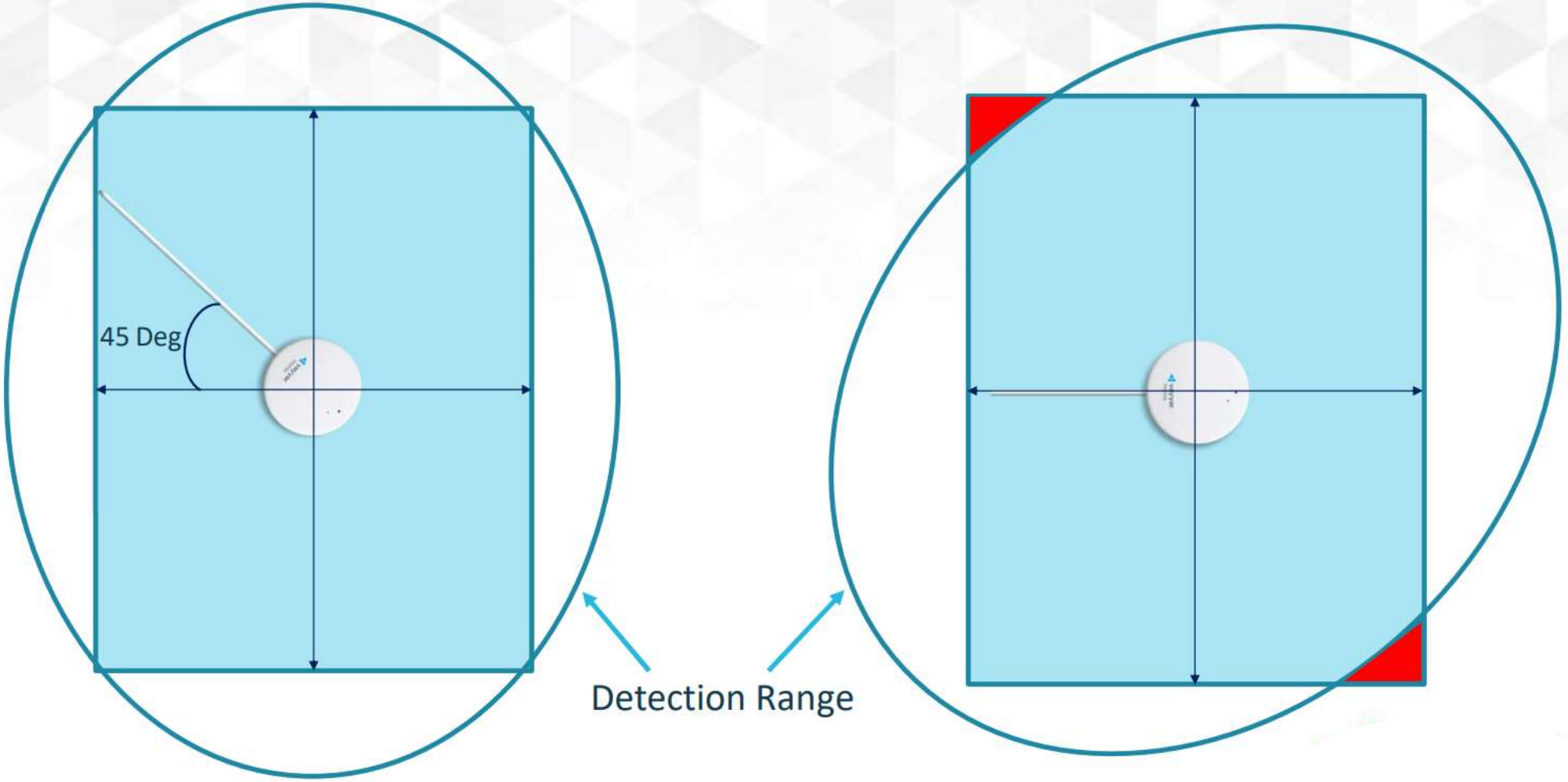


Why mount the device at 45 Degrees?

- The chip (the vBlu) inside the set at a 45-degree angle)

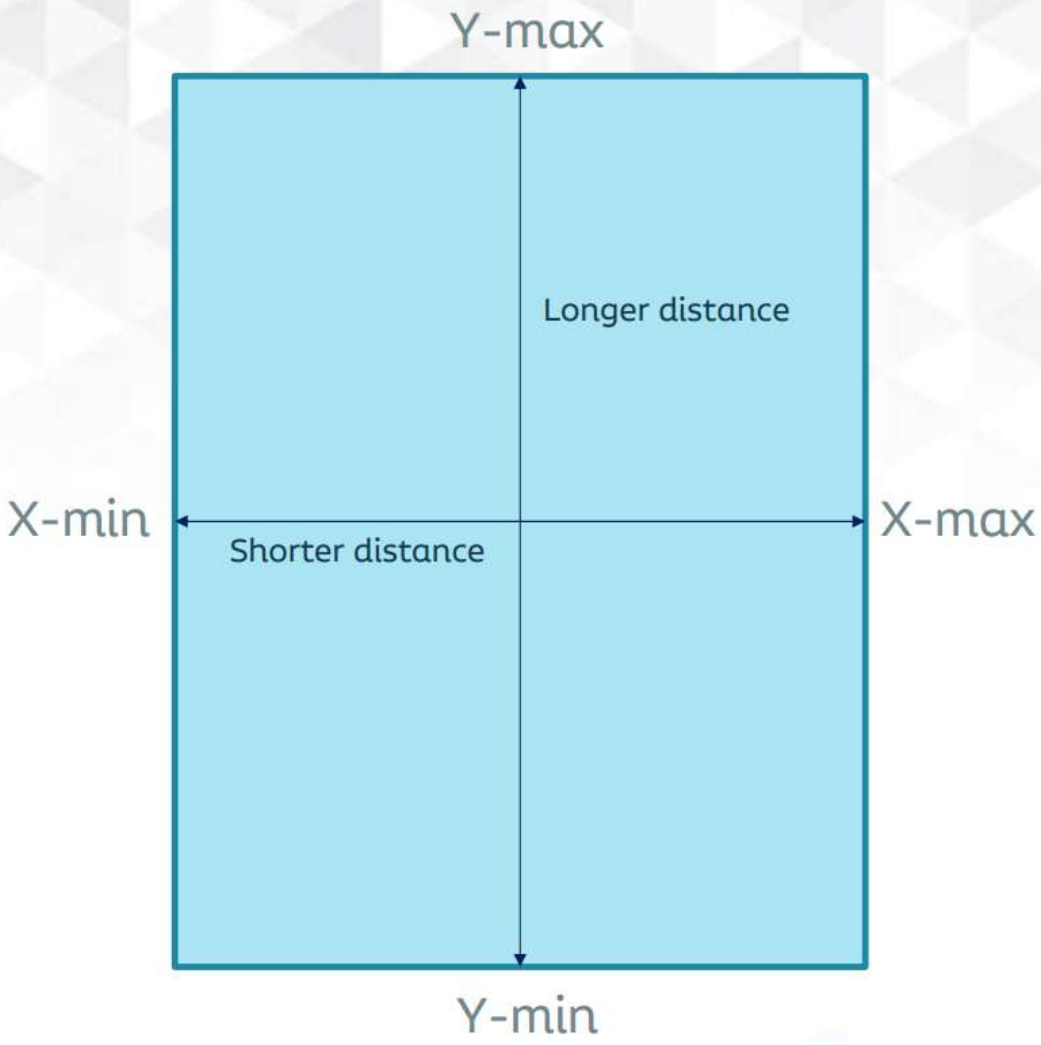


Mounting at 45 Degrees provides better coverage at distance



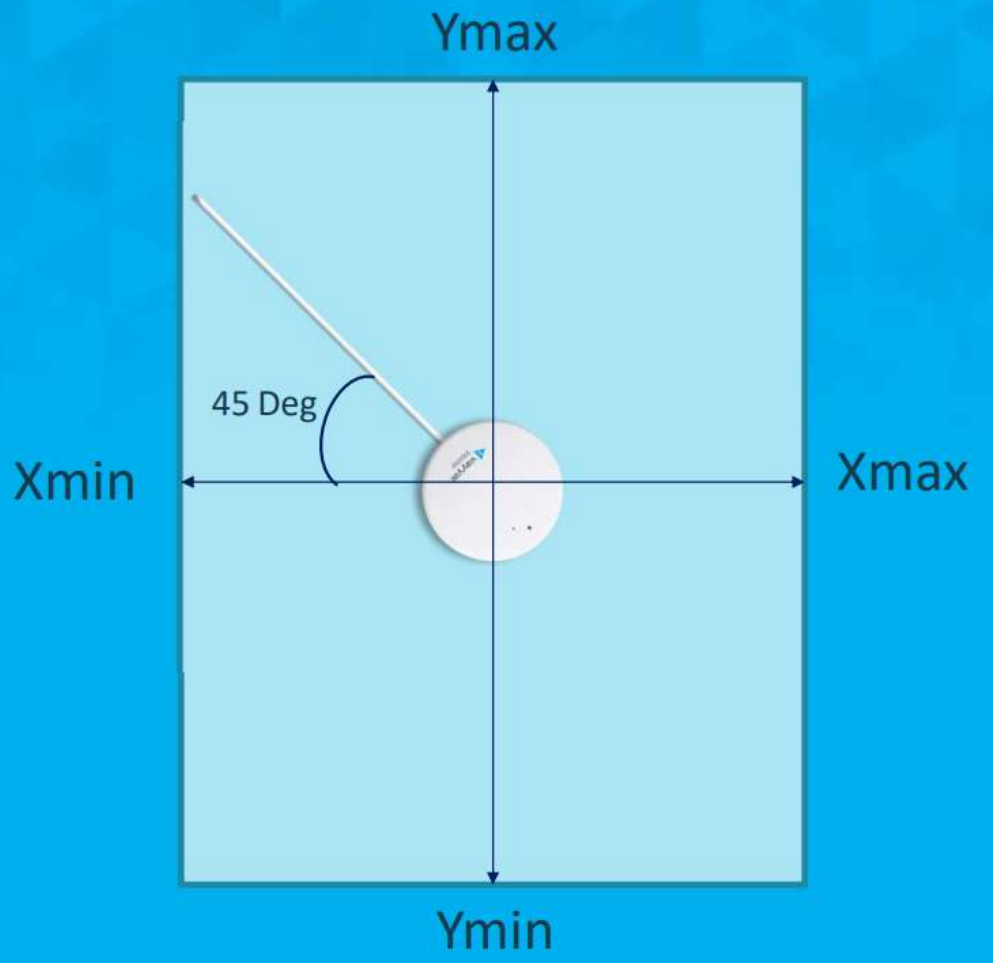
Setting up the grid

- When mounting on the ceiling, first you must create your Monitoring Grid.
- To do so, orient the Y-axis so that it is parallel to the longer wall, and so that the X-axis is parallel to the shorter wall.
- Then choose if you are installing at 45 degrees (pages 6-8) or a Straight Installation (pages 9-11).



45 Degrees Ceiling Installation

Mount the device in the center of the room so that the device cord is between the Y-max and X-min axis . This orientation will mean that the device is on a 45-degree angle pointing towards the bottom right corner of the room.



Gen2 – 45 Degrees Ceiling Installation

Basic Room Configuration

You can see an example of how to set up a basic room configuration here. It is important to note that even though the device has rotated, the monitoring grid is still oriented in the same direction.

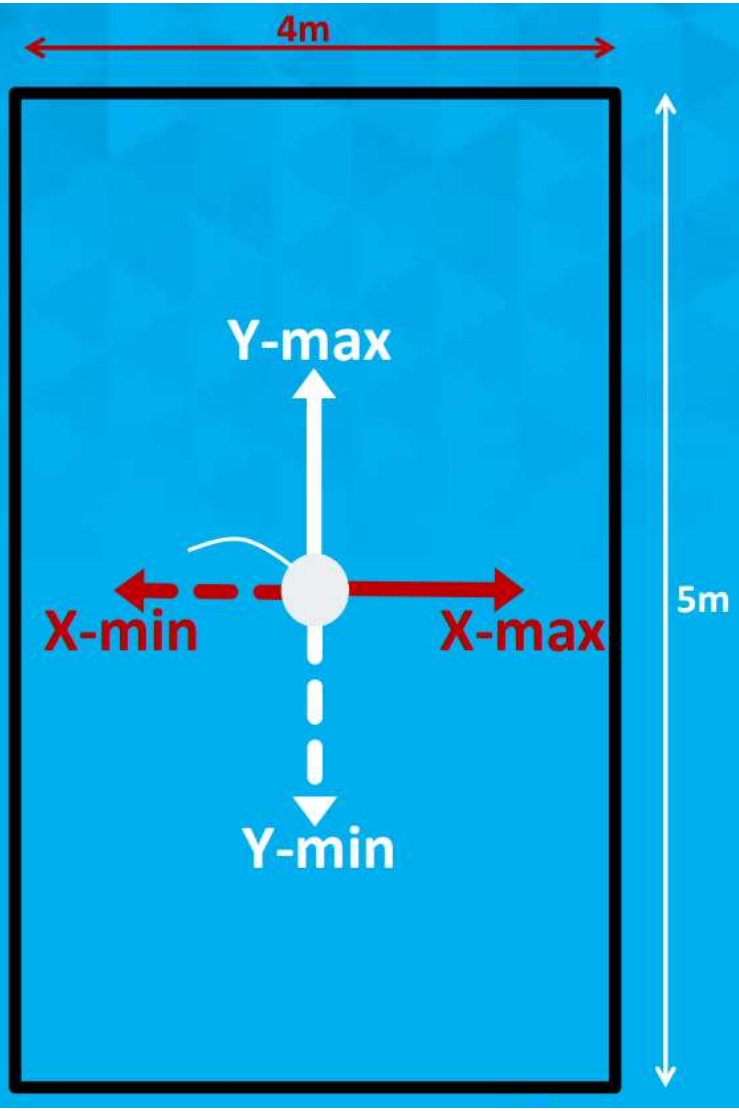
<u>Arena Size</u>

X min = -2

X max = 2

Y min = -2.5

Y max = 2.5

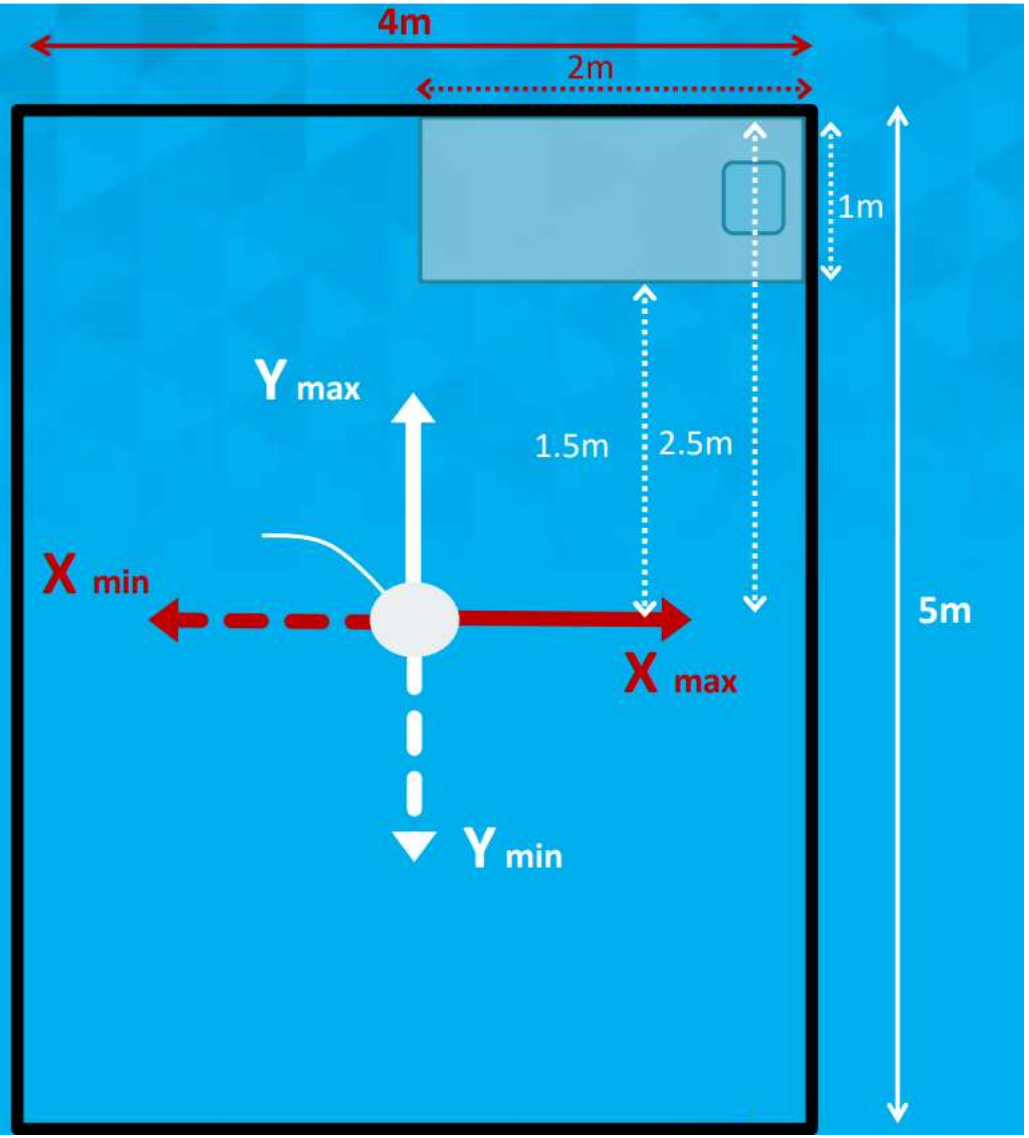


45 Degrees Ceiling Installation

Example of Room Configuration

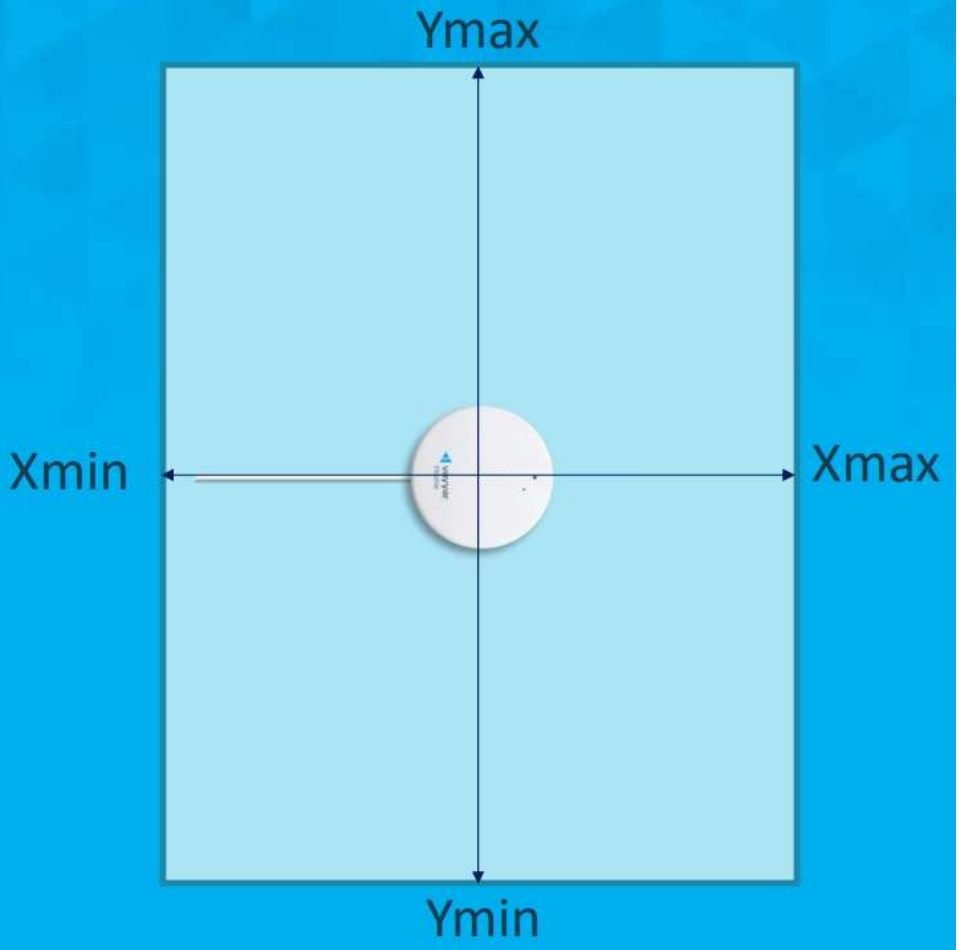
To configure a subregion, Xmax and Ymax values are always the *largest value.* This means the Xmax for the bed is 2m and Ymax for the bed is 2.5m.

Arena Size	Sub-Region - Bed
X min = -2	X min = 0
X max = 2	X max = 2
Y min = -2.5	Y min = 1.5
Y max = 2.5	Y max = 2.5



Straight Ceiling Installation

Mount the device in the center of the room so that the device cord is facing the X-min axis. This orientation will mean that the Y-max axis will be to the left of the device.



Straight Ceiling Installation

Basic Room Configuration

You can see an example of how to set up a basic room configuration here.

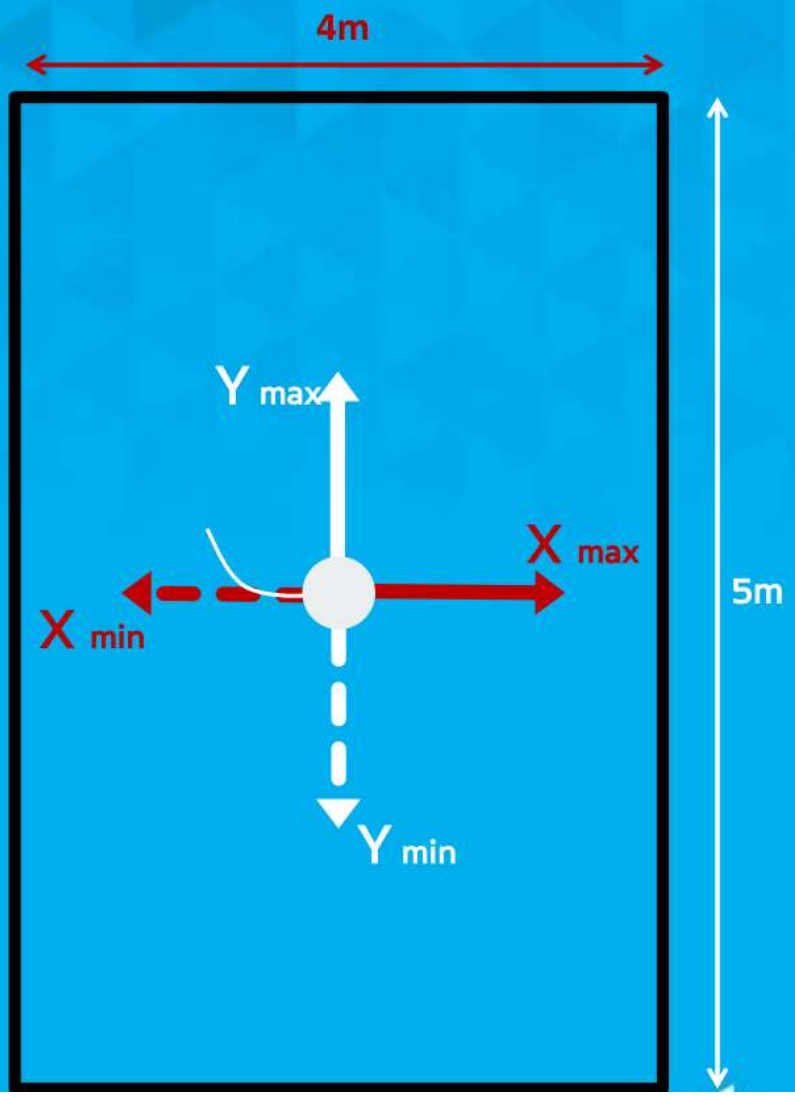
<u>Arena Size</u>

X min = -2

X max = 2

Y min = -2.5

Y max = 2.5

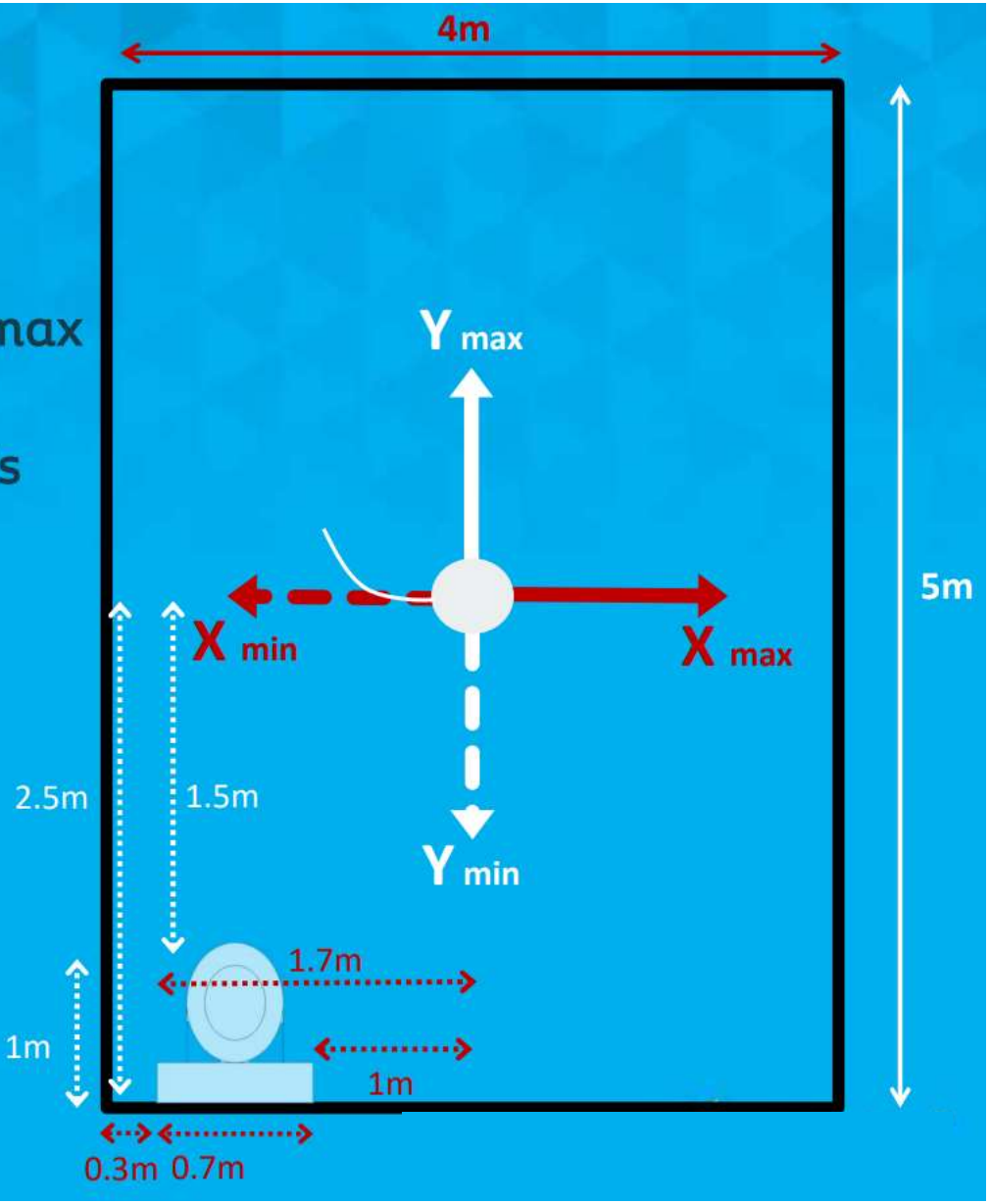


Straight Ceiling Installation

Full Room Configuration

To configure a subregion, the Xmax and Ymax values are always the *largest numerical value.* This means the Xmax for the toilet is -1, and the Ymax for the toilet is -1.5.

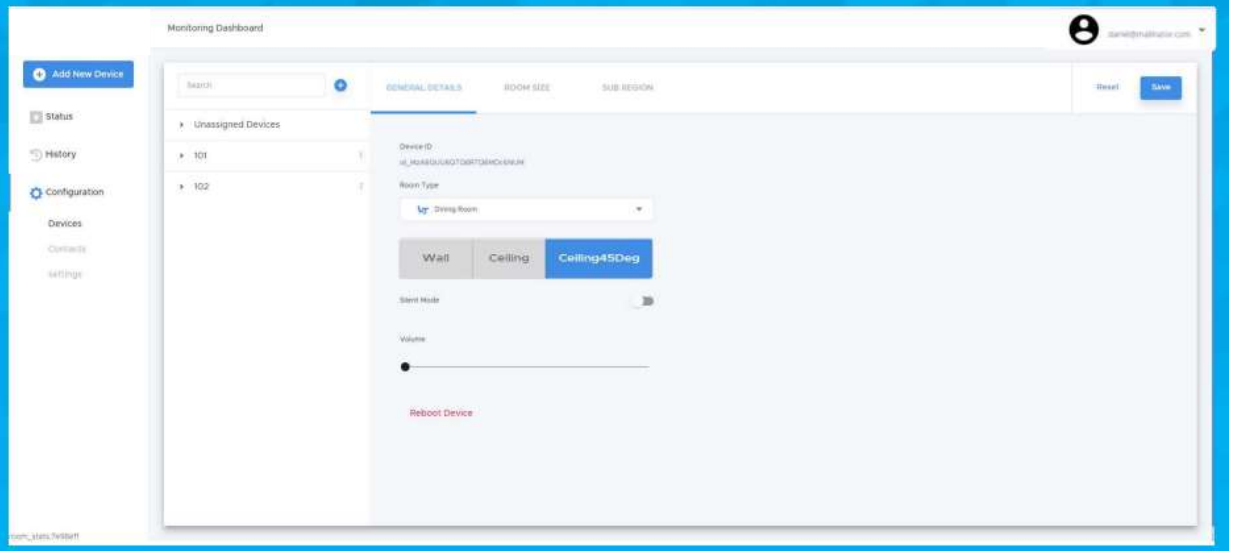
Arena Size	Sub-Region Toilet
X min = -2	X min = -1.7
X max = 2	X max = -1
Y min = -2.5	Y min = -2.5
Y max = 2.5	Y max = -1.5



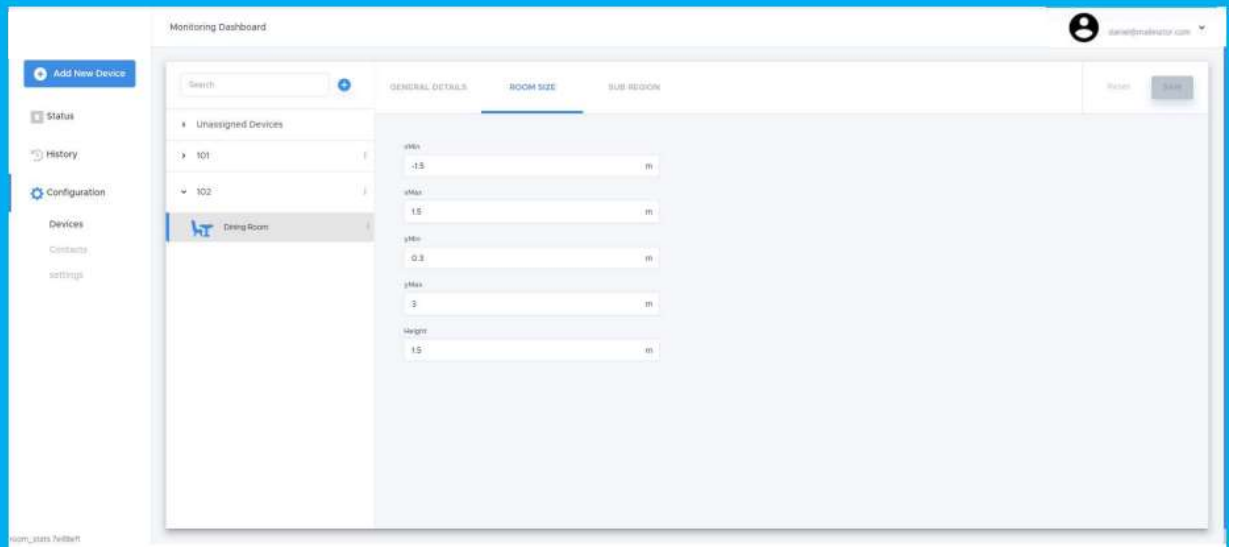
Dashboard Use

In order to configure the room for the ceiling:

- Go to your Dashboard > Configuration > Room > Device.
- Once you've found your device, go to the General Details tab.
- Then click on "Ceiling" or "Ceiling45Deg" and click "Save."



- Now, when you go to the Room Size tab, you will see tabs to enter in the room dimensions.
- Enter the appropriate room dimensions for your device.
- The sensor height is the height of the ceiling with a range of 2.5 – 3m.



¡GRACIAS!

www.alcadelectronics.com