

# MillimeterWaveRadar Test

## What will you do?

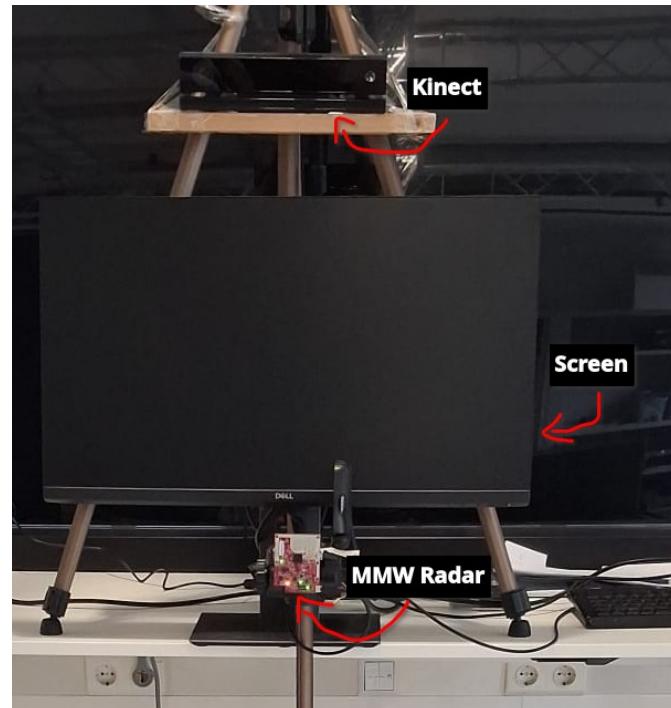
Dear participant, in the experiment you are about to undertake you will be asked to stand in front of a MilliMeterWave Rader (MMW Radar), a Kinect and a screen, and perform a few actions.

Before the system can be used we first need to do a *calibration step*, this will consist of you moving your arms around in circles.

First you will be asked to perform a predetermined set of actions, as dictated by the researcher.

When these predetermined actions have been recorded, you will be free to experiment with the system, and to “make your own music”.

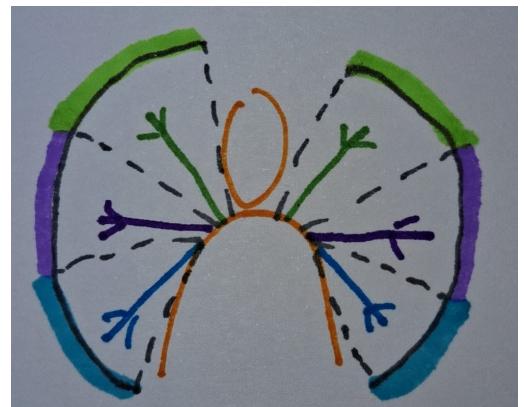
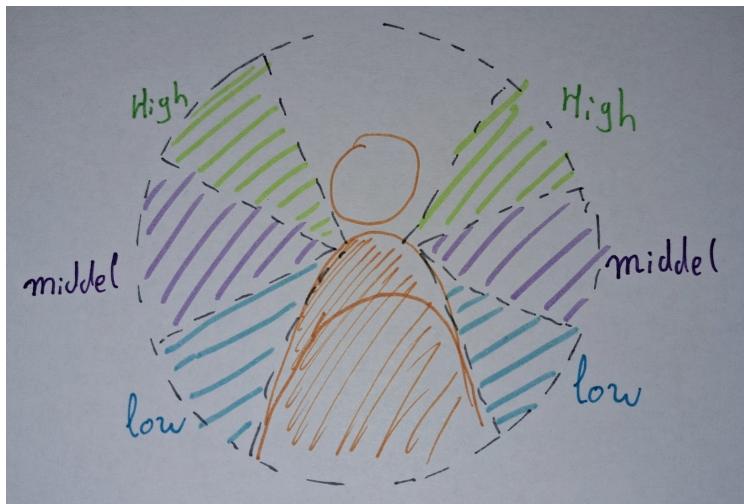
**Note:** The tuning of the system can be changed, but this does require a restart of the system. If you'd like to try out a different tuning please ask the researcher.



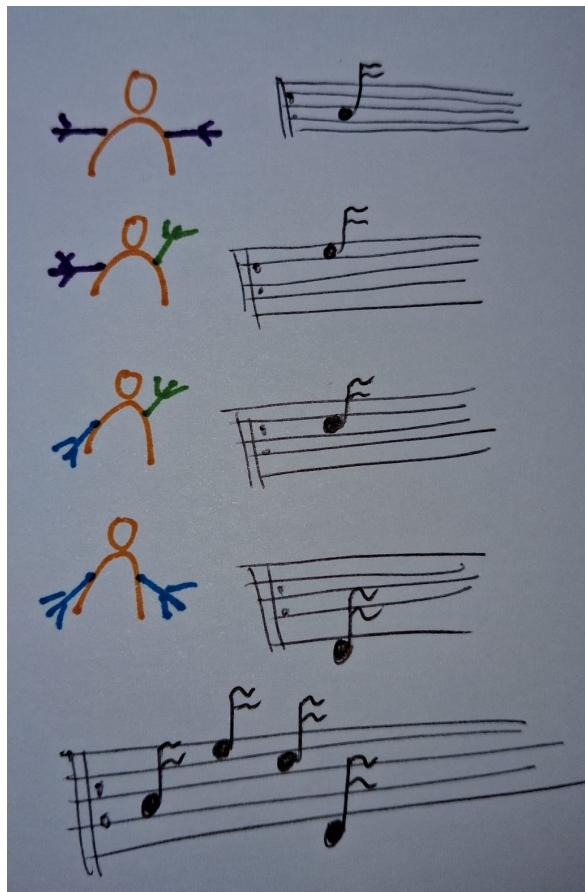
## How to use the system

The system registers your movements the best if you “Fan/flap your hands” back and forth, towards and away from the camera.

The system tries to **generate a musical note** depending on **where your hands are**. Specifically, your hands can be in **one of three** locations, *low*, *middle*, or *high*.



Depending on the *position of both hands* we generate a *music note*.



There are a total of **9 different positions** you can have, most will give different notes, but some might give the same note.

There are a few different “Tunings” available, during the “free play” period (after the standardized movements) the system can be put into a different tuning, simply ask the researcher.

**tip:** Its possible to switch a hand from *high* to *low* without it being *middle* in between, by pulling your hand to your body and extending it again towards the *low* position (as opposed to moving the stretched out arm down).