

Recording details of Wearable SELD dataset

Wearable SELD dataset

- Wearable SELD dataset is the dataset for developing a SELD system with wearable devices. The dataset was collected by using wearable devices such as an earphone, a headphone, a neck speaker. It can be downloaded here (<https://doi.org/10.5281/zenodo.6030111>).
- This document shows images of recording devices and recording environments. To learn more about generating data, please refer to [1].

[1] K. Nagatomo, M. Yasuda, K. Yatabe, S. Saito, Y. Oikawa, “Wearable SELD dataset: Dataset for sound event localization and detection using wearable devices around head,” in IEEE Int. Conf. Acoust. Speech Signal Process. (ICASSP), 2022.

Images of recording devices

- Microphone
HOSIDEN KUB4225



- Loudspeaker
We used a custom-made one.
AMM Sound Lab CFX100F2506



- Head and torso simulator
Bruel & Kjaer TYPE 4128-C



Images of recording environments

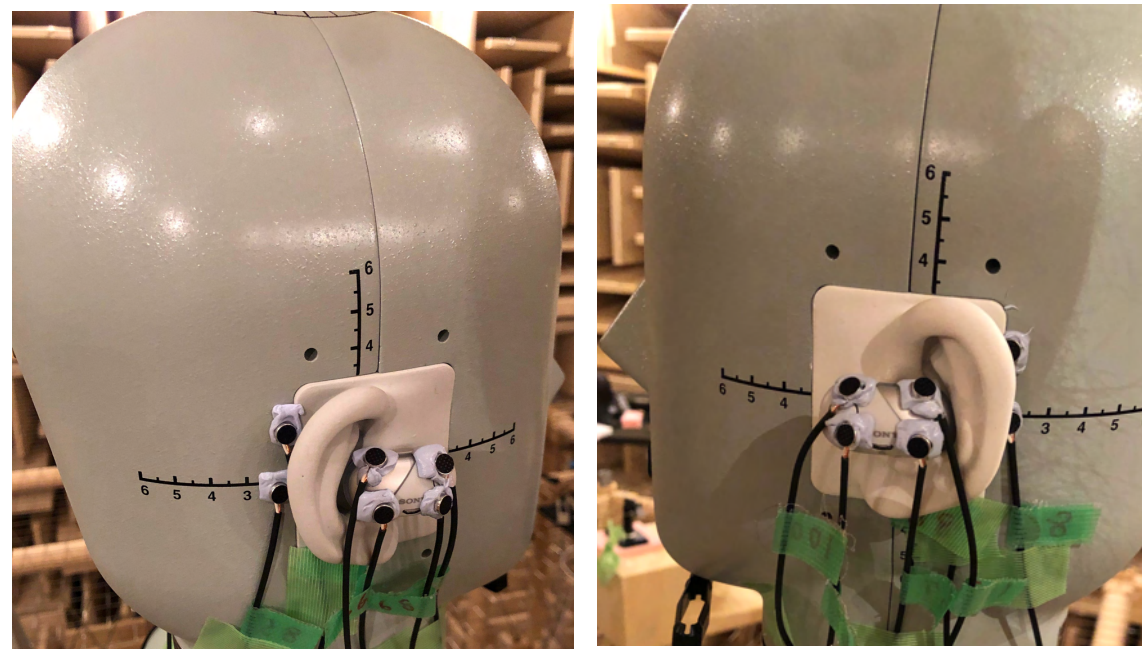
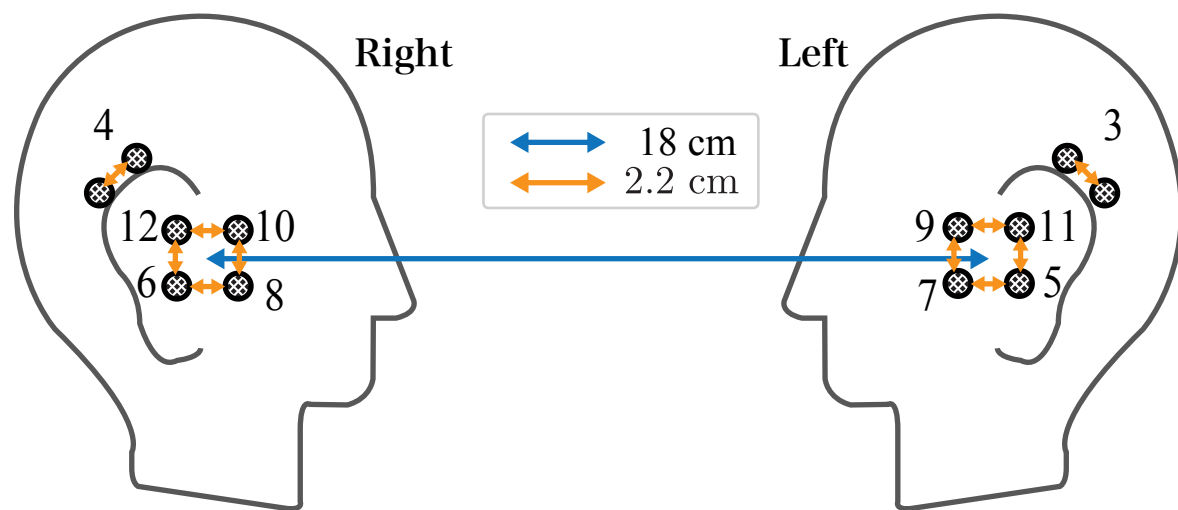
The variable reverberation room



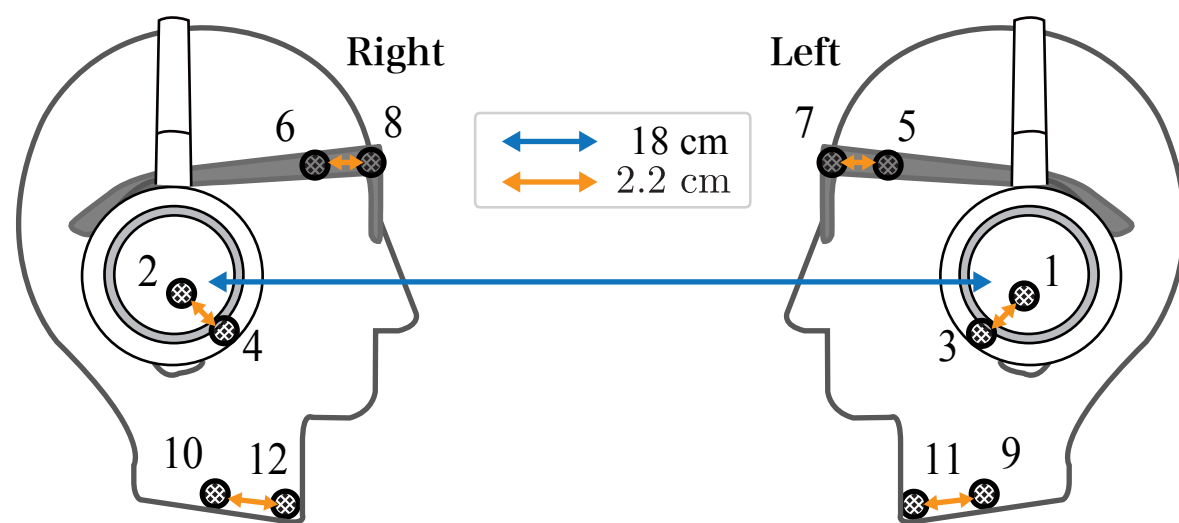
The fully anechoic room



Microphone configuration of *Earphone type dataset*



Microphone configuration of *Mounting type dataset*



Images of sound events

Woodblock



Metallophone



Security buzzer



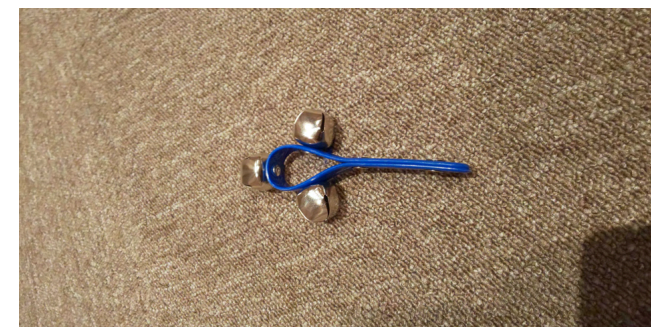
Hit drum



Shaker



Shaking bell



Images of sound events

Piano, Organ, Toy gun shot, Toy train



The sounds of piano, organ, toy gun shot, and toy train were sampled in the keyboard and emitted by it.

Bicycle bell

