

10.1: Introduction

Microphones come in two basic varieties: omni-directional and directional. Omni microphones pick up sounds from all directions equally well whereas directional microphones favor certain regions. Directional microphones are further broken down in the categories cardioid, super-cardioid, hyper-cardioid, and figure-eight. Cardioid directional microphones favor sounds directly in front of the microphone while rejecting sounds that are off the main axis, while figure-eight (or dipole) reject sounds at 90 degrees to the main axis.

This page titled [10.1: Introduction](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [James M. Fiore](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.