

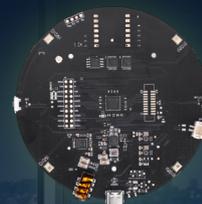
AI-powered Microphone Array

This professional voice front-end platform integrates modular hardware with AI acoustic algorithms. Built on an open-source ecosystem with various form factors, it enables developers, makers, and enterprises to quickly create scalable market-ready voice solutions for real-world deployment.



reSpeaker XMOS XVF3800

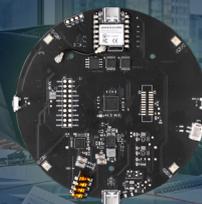
-  XMOS XVF3800 for Clearer Capture Even in Noise
-  4-Mic Circular Array for 360° Far-field Voice Pickup (Up to 5m)
-  USB Plug-and-Play Simplicity
-  AI Audio Algorithms (AEC, Beamforming, DoA, Noise Suppression, AGC)
-  Compact Design for Embedded Applications



reSpeaker XVF3800



reSpeaker XVF3800 with Case



reSpeaker XVF3800 with XIAO ESP32S3



reSpeaker XVF3800 with XIAO ESP32S3 (Case Version)



Smart Home



Robot



Conference



Cross-industry Voice Control

reSpeaker Lite

-  XMOS XU316 for Offline Voice Processing
-  2-Mic Linear Array for 180° Far-field Voice Pickup (Up to 3m)
-  AI Audio Algorithms (AEC, Noise Suppression, AGC)
-  Customized Wake-Up Word



reSpeaker Lite



reSpeaker Lite with XIAO ESP32S3



Acrylic Enclosure

reSpeaker Clip

NEW



Pro Wearable Audio

Dual PDM mics with noise reduction in a versatile <30g magnetic design



Dual-Mode Connectivity

BLE 5.3 & Wi-Fi 6 for seamless control and high-speed transfer



18H+ Battery Life

Nordic nRF-based architecture enables all-day continuous recording



Secure Local Storage

Onboard independent storage ensures complete data privacy



Open SDK/Platform

Full access to SDKs and reference apps for unrestricted customization



reSpeaker Flex

NEW



Split-Type Architecture

Separated compute unit from the acoustic module



Flexible Array Configurations

4-mic circular and linear arrays. 8-mic configuration in the future



Optimized Voice Pickup for Different Scenarios

180°- 360° far-field voice capture, range of 3-5 meters



Powered by XMOS XVF3800

AI acoustic algorithms: AEC, AGC, beamforming, DoA, and noise suppression



Sound Event Detection Module D1

NEW



Edge AI Processing with Ultra-low Latency ($\leq 500\text{ms}$)



Fully Local Processing with Privacy Protection



High-Precision Recognition Rate of $\geq 95\%$



XIAO Ecosystem Compatibility



Smart Home Integration (ESPHome & HA)



Gunshot



Glassbreaking



T3/T4



Snoring



Baby Crying

Contact edge@seeed.cc

Tech Support

Business Enquiry

Story Sharing



Take this Flyer



Claim Yours Now!