

Antenna — Wearable Vibration-and-Light Device Bringing Sound to Deaf Students

Digital Inclusion · Good practice · Japan

Quality score: 76/100

Evidence strength: Observational / pre–post

Summary

Fujitsu's Antenna clips onto hair, ear or collar and converts sound (60–90dB) into 256 levels of vibration and light in real time. Backed by Japan's MEXT since 2019, it is now used in roughly 80% of Japan's schools for the deaf, for rhythm, speech and ensemble practice.

Key dimensions

Dimension	Score
Innovation level	4/5
Sustainability (ongoing)	1/1
Evaluation evidence	0/1
Demonstrated reach	1/1
Documented learning	1/1

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-11

[Fujitsu Limited / Fujitsu Design Limited](#) — accessed 2026-09-11

[JapanGov feature \(Oct 2025\)](#) — accessed 2026-09-11

[Fujitsu press release \(Dec 2020\)](#) — accessed 2026-09-11

[Japan Today coverage](#) — accessed 2026-09-11

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