

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 22, 2025

Avisoft-RECORDER

RRID:SCR_014436

Type: Tool

Proper Citation

Avisoft-RECORDER (RRID:SCR_014436)

Resource Information

URL: <http://www.avisoft.com/recorder.htm>

Proper Citation: Avisoft-RECORDER (RRID:SCR_014436)

Description: A multi-channel triggering hard-disk recording system designed specifically for bio-acoustics, although it can be used for other audio signals. This software uses real-time spectrographic and spectrum display and possesses a customizable metadata input tool for embedding user-defined data directly into the resulting .wav files. The maximum sampling rate for real-time display and streaming to disk depends on the type of acquisition board and computer performance. These embedded records can later be accessed from SASLab Pro and integrated into another metadata base.

Resource Type: software resource, data management software, data processing software, data acquisition software, software application

Keywords: .wav, bioacoustics, bio-acoustics, audio recording, audio processing, data embedding

Funding:

Availability: Open Source, Public, Commercial, Demo version available

Resource Name: Avisoft-RECORDER

Resource ID: SCR_014436

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250422T055801+0000

Ratings and Alerts

No rating or validation information has been found for Avisoft-RECORDER.

No alerts have been found for Avisoft-RECORDER.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 87 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Schabacker T, et al. (2025) Social vocalizations indicate behavioural type in Glossophagine bats. *Proceedings. Biological sciences*, 292(2039), 20242217.

Olszyński KH, et al. (2024) Male rats emit aversive 44-kHz ultrasonic vocalizations during prolonged Pavlovian fear conditioning. *eLife*, 12.

Gough HM, et al. (2024) Tiger beetles produce anti-bat ultrasound and are probable Batesian moth mimics. *Biology letters*, 20(5), 20230610.

Meyerink BL, et al. (2024) Mutation in Wdr45 leads to early motor dysfunction and widespread aberrant axon terminals in a beta-propeller protein associated neurodegeneration (BPAN) patient-inspired mouse model. *bioRxiv : the preprint server for biology*.

Maroni MJ, et al. (2024) Loss of DOT1L function disrupts neuronal transcription, animal behavior, and leads to a novel neurodevelopmental disorder. *medRxiv : the preprint server for health sciences*.

Louder MIM, et al. (2024) Transient sensorimotor projections in the developmental song learning period. *Cell reports*, 43(5), 114196.

Fang S, et al. (2024) Sexually dimorphic control of affective state processing and empathic behaviors. *Neuron*.

Perrodin C, et al. (2023) Courtship behaviour reveals temporal regularity is a critical social cue in mouse communication. *eLife*, 12.

Packheiser J, et al. (2023) Audible pain squeaks can mediate emotional contagion across pre-exposed rats with a potential effect of auto-conditioning. *Communications biology*, 6(1), 1085.

Ka?mierowska AM, et al. (2023) Rats respond to aversive emotional arousal of human handlers with the activation of the basolateral and central amygdala. *Proceedings of the National Academy of Sciences of the United States of America*, 120(46), e2302655120.

Agetsuma M, et al. (2023) Activity-dependent organization of prefrontal hub-networks for associative learning and signal transformation. *Nature communications*, 14(1), 5996.

Kiai A, et al. (2023) Flexible control of vocal timing in *Carollia perspicillata* bats enables escape from acoustic interference. *Communications biology*, 6(1), 1153.

Liu Q, et al. (2023) Effects of reduced kinematic and social play experience on affective appraisal of human-rat play in rats. *Frontiers in zoology*, 20(1), 34.

Lin CW, et al. (2023) An old model with new insights: endogenous retroviruses drive the evolution toward ASD susceptibility and hijack transcription machinery during development. *Molecular psychiatry*, 28(5), 1932.

Gloveli N, et al. (2023) Play and tickling responses map to the lateral columns of the rat periaqueductal gray. *Neuron*, 111(19), 3041.

Möhrle D, et al. (2023) Characterizing maternal isolation-induced ultrasonic vocalizations in a gene-environment interaction rat model for autism. *Genes, brain, and behavior*, e12841.

Dagher S, et al. (2023) Protocol for precise signal synchronization of electrophysiology, videography, and audio recordings using a custom-made pulse generator. *STAR protocols*, 4(2), 102306.

Willmore L, et al. (2023) Overlapping representations of food and social stimuli in VTA dopamine neurons. *bioRxiv : the preprint server for biology*.

Wang J, et al. (2023) Taok1 haploinsufficiency leads to autistic-like behaviors in mice via the dorsal raphe nucleus. *Cell reports*, 42(9), 113078.

Riccardi E, et al. (2022) Sex-dependent Effects of the Drugs of Abuse Amphetamine and the Smart Drug 3,4-Methylenedioxypyrovalerone on Fear Memory Generalization in Rats. *Neuroscience*, 497, 107.