

# Notes on AudioMoth deployment for St. Louis Urban Wildlife project

## Security

AudioMoth LED can be turned off to avoid unwanted protection in human dominated areas: Hill et al. 2019.

SKH started a forum thread on OpenAcoustic devices.

This person developed a case that would allow for better security - see final design here

Here is another enclosure design that allows for a small lock cable to be used for security.; but it did not perform very well compared to ziplock bags.

Arguments for no additional security measures needed for AudioMoths due to their small inconspicuous size:

Hill et al. 2018 mentions theft on one occasion and portrays the AudioMoth as a device better used in urban/human dominated environments than traditional devices because of its small size. - argument for no additional security needed.

Farina 2018: *“and new devices (e.g., Audio Moth) tested as a further solution to deploy recorders in unsafe places where human vandalism or animal damage discourage the use of more expensive devices.”*

Comments from most users seems to be that they are not concerned about theft because of low cost. For example here, here, this thread, citations provided above, etc.

## Enclosures

SKH had some issues with her device enclosures during deployment in June 2020; however AudioMoth quickly replaced both the latches and the membranes and are working on updating the latch design. See forum thread here about the enclosure latches and here about the membrane.

alternative enclosure summary

New 3D printed enclosure design from AudioMoth Vault