



# CVE-2018-20194

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2018-20194  |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | cve@mitre.org   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2018-12-18 01:29:00 UTC   |
| <b>Updated</b>         | 2020-06-15 18:15:00 UTC   |
| <b>Description</b>     | There is a stack-based buffer underflow in the third instance of the calculate_gain function in libfaad/sbr_hfadj.c in Freeware |

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor                      | Product   | Version | Update | Edition | Language |
|-------------|-----------------------------|---|---------|--------|---------|----------|
| Application | <a href="#">Audiocoding</a> | <a href="#">Freeware Advanced Audio Decoder 2</a> | 2.8.8   | All    | All     | All      |
| Application | <a href="#">Audiocoding</a> | <a href="#">Freeware Advanced Audio Decoder 2</a> | 2.8.8   | All    | All     | All      |

## References

| Reference  | Source  | Link                              |
|--|---------|-----------------------------------|
| [SECURITY] [DLA 1791-1] faad2 security update  | MLIST   | <a href="#">lists.debian.org</a>  |
| Bugtraq: [SECURITY] [DSA 4522-1] faad2 security update   | BUGTRAQ | <a href="#">seclists.org</a>      |
| FAAD2: Multiple vulnerabilities (GLSA 202006-17) — Gentoo security   | GENTOO  | <a href="#">security.gentoo.o</a> |
| Debian -- Security Information -- DSA-4522-1 faad2   | DEBIAN  | <a href="#">www.debian.org</a>    |
| stack-buffer-underflow in function calculate_gain(libfaad/sbr_hfadj.c:1314) · Issue #21 · knik0/faad2 · GitHub | MISC    | <a href="#">github.com</a>        |
| CVE Program record   | CVE.ORG | <a href="#">www.cve.org</a>       |
| NVD vulnerability detail   | NVD     | <a href="#">nvd.nist.gov</a>      |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[500896](#) Alpine Linux Security Update for faad2

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