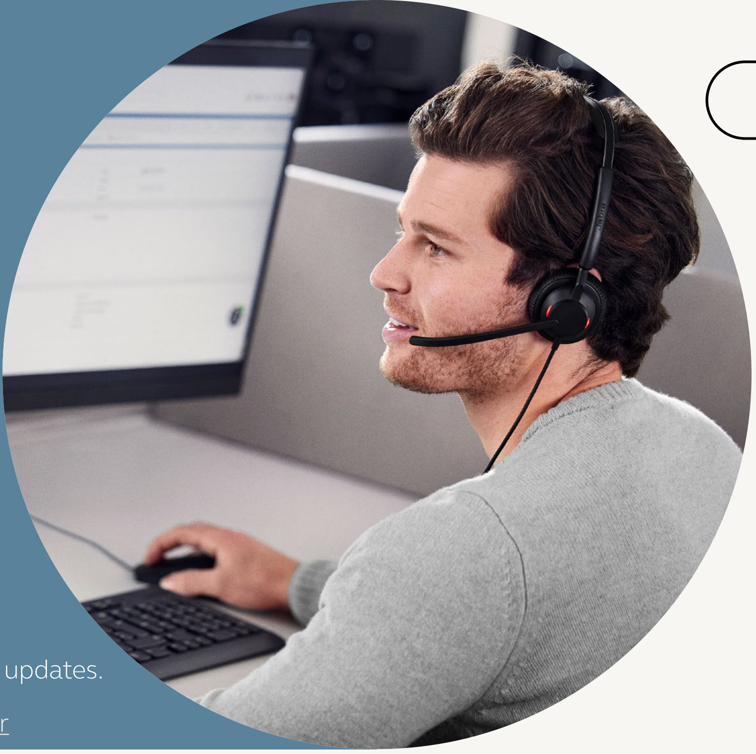
INFO SHEET

Security Incident Bulletin

KNOB and BIAS Bluetooth® vulnerabilities



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INCIDENT SUMMARY

Two recent vulnerabilities have been identified in some Bluetooth enabled products.

- **BIAS (CVE-2020-10135)**

Legacy pairing and secure-connections pairing authentication in Bluetooth BR/EDR Core Specification v5.2 and earlier may allow an unauthenticated user to complete authentication without pairing credentials via adjacent access. This authentication does not give the encryption key, but in combination with the below KNOB incident, it can allow brute-force attacks outside the pairing process.

- **KNOB (CVE-2019-9506),** the Bluetooth BR/EDR specification up to and including version 5.1 permits sufficiently low encryption key length and does not prevent an attacker from influencing the key length negotiation. This allows practical brute-force attacks (aka “KNOB”) that can decrypt traffic and inject arbitrary ciphertext without the victim noticing.

INCIDENT SEVERITY (CVSS)

CVSS v3 Base Metrics

In order to assess the Incident, we are using the CVSS v3 (Common Vulnerability Scoring System). CVSS is an open framework for communicating the characteristics and severity of software vulnerabilities. CVSS consists of three metric groups: Base, Temporal, and Environmental. A CVSS score is also represented as a vector string, a compressed textual representation of the values used to derive the score. For more information regarding CVSS please see: https://nvd.nist.gov/vuln-metrics/cvss

Base CVSS v3 Scores

- BIAS (CVE-2020-10135) 5.4 MEDIUM
CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N

- KNOB (CVE-2019-9506) 8.1 HIGH
CVSS:3.0/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N

INCIDENT SOLUTION

The following firmware updates include fixes for the BIAS and KNOB vulnerabilities. We strongly advise you to upgrade to these versions or later using the normal firmware update channels (Jabra Direct, Jabra Xpress, Jabra Sound+ or other Jabra solutions that support firmware updates of the specific device). For more information on firmware updates, refer to the product support page.

PRODUCT	FIRMWARE VERSION*	PRODUCT	FIRMWARE VERSION*
Jabra Link 370	1.48.0	Jabra Elite 65t	2.34.0
Jabra Link 360	2.47	Jabra Elite Active 65t	2.34.0
Jabra Evolve 65	2.72.0	Jabra Elite 45e	2.21.0
Jabra Evolve 75	2.10.0	Jabra Elite Active 45e	1.27.0
Jabra Evolve 65e	2.22.2	Jabra Elite 65e	2.25.0
Jabra Evolve 75e	2.25.0	Jabra Elite 85h	1.5.0
Jabra Evolve 65t	2.34.0	Jabra Elite Sport	5.6.0
Jabra Speak 510	2.31	Jabra Talk 45	3.6.0
Jabra Speak 710	1.38.0	Jabra Talk 55	2.4.0
Jabra Speak 810	1.9.0	Jabra Stealth UC	2.15.0
Jabra Biz 2400 II USB BT	1.14		
Jabra Engage 65/75	4.2.0		
Jabra Pro 925/935	1.8.2		

All products launched after October 31st 2019 should not be impacted by this security incident.

ANY QUESTIONS?
WE'RE HERE TO HELP.

Just send us an email at
security-center@jabra.com

* A newer version might be available

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