Product Security Advisory: Bluetooth Core Specification Vulnerabilities

Sierra Wireless Advisory: SWI-PSA-2021-004 (link to latest version)

Date: May 25, 2021

Summary

Recently published research has identified various vulnerabilities in the Bluetooth Core Specification from version 2.1 to 5.2. The following Common Vulnerabilities and Exposure (CVE) identifiers have been assigned to each of the vulnerabilities:

CVE-ID	CVSS	Description
CVE-2020-26555	5.4	Impersonation in the Pin-Pairing Protocol (Core ANSSI.3)
CVE-2020-26556	4.6	Malleable Commitment (Mesh ANSSI.3)
CVE-2020-26557	5.5	Predictable Authvalue in Bluetooth Mesh Provisioning Leads to MITM (Mesh ANSSI.2)
CVE-2020-26558	4.6	Impersonation in the Passkey Entry Protocol (Core ANSSI.1)
CVE-2020-26559	5.5	Authvalue Leak (Mesh ANSSI.4)
CVE-2020-26560	5.5	Impersonation attack in Bluetooth Mesh Provisioning (Mesh ANSSI.1)

Affected Products

Product(s)	CVE-IDs	Affected Version(s)	Planned Fix Date
OMG2000	CVE-2020-26555	All versions of MGOS	No fix planned
MG90	CVE-2020-26555	All versions of MGOS	TBD
WP76xx	All	All versions of Firmware	TBD
WP77xx	All	All versions of Firmware	TBD
BC127	All	All versions of Firmware	TBD
BX3105	All	All versions of Firmware	TBD

Recommended Actions

Sierra Wireless recommends upgrading to the latest release version for your products as soon as they become available.

Credits

Sierra Wireless would like to thank the researchers at the Agence Nationale de la Sécurité des Systèmes d'information (ANSSI) for reporting these vulnerabilities and CERT/CC for coordinating the response.

https://www.ssi.gouv.fr/en/

https://kb.cert.org/vuls/id/799380

https://www.bluetooth.com/learn-about-bluetooth/key-attributes/bluetooth-security/reporting-security/

Support Contact Information

Sierra Wireless Technical Support is available by phone or web portal from 6:00 to 17:00 PST, Monday to Friday.

Phone (Toll Free): 1-877-687-7795

Web: https://www.sierrawireless.com/support/community-portal/

Security Bulletins

To see the latest security updates from Sierra Wireless, please visit:

https://www.sierrawireless.com/company/security/