Bonaduz, January 26, 2022

Product Security Advisory – PSA-2022-01

1. Introduction

During our regular vulnerability monitoring procedure, we discovered an issue with our Bluetooth driver (https://nvd.nist.gov/vuln/detail/CVE-2021-43400).

Hamilton Medical has conducted an impact analysis and risk assessment, and has identified no patient risks associated with this vulnerability.

2. Affected Products

The following Hamilton Medical products are affected by the identified vulnerability:

- HAMILTON-C1/T1 ventilators with the Hamilton Connect Module (ventilator software version 3.0 or higher, and Hamilton Connect Module software version 1.0.x)

3. Vulnerability Description

An issue was discovered in gatt-database.c in BlueZ 5.61. A use-after-free can occur when a client disconnects during D-Bus processing of a WriteValue call.

CVE-2021-43400 was assigned to this vulnerability. A CVSS v3 base score of 9.1 was calculated; the CVSS vector string is (AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N).

4. Impact

An impact analysis and risk assessment has identified no patient risks associated with this vulnerability. The listed ventilators use a separate processor for communication. A crash or memory corruption of the Hamilton Connect Module will not impact patient ventilation.

5. Mitigation

No customer action is needed. In general, Hamilton Medical recommends:

- Prevent physical access to the device by unauthorized personnel
- Pay attention to notifications, alarms, and alerts
- Use only software from official Hamilton Medical channels and have it installed by an authorized technician
- Always install the latest Hamilton Connect Module software.

As part of the continuous product care and maintenance process, Hamilton Medical will provide fixes for vulnerabilities. A fix for this vulnerability will be available with our upcoming 1.1.100 Hamilton Connect Module software.

6. Contact Information

For further information regarding the impact or mitigation of the vulnerabilities, contact your local sales or service manager. Alternatively, you can contact Hamilton Medical at:

product-security.med.global@hamilton-medical.com

Revisions

Revision	Publication date	Updates
1.0	2026-01-07	Initial version

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