WESTERMO

Westermo-25-07: CVE-2025-46418 - Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

Severity: **HIGH**   2025-06-30

Description

Westermo have identified a vulnerability in WeOS 5 that potentially could be used to inject OS commands due to unsafe handling of media definitions.

Affected versions

WeOS 5: Affects WeOS 5 version 5.23 and later.

WeOS 4 is not affected.

Impact

The vulnerability described allows an attacker with administrative permissions to specify commands that would typically be inaccessible. This enables the execution of alternate commands with privileges beyond those granted to the attacker.

Severity

Base score	The CVSS severity base score is 7.6
Environmental	The CVSS environmental score is 6.3
Vector string	CVSS:3.1/AV:N/AC:H/PR:H/UI:R/S:C/C:H/I:H/A:H/MAV:A/MS:U

Mitigation

We recommend the following mitigations that do not require an update:

- Limit administration account access to trusted parties.
- Use best practices for passwords related to administration accounts.

Updates

Currently no update is available.

References

WeOS - Westermo Operating System ▷ Westermo https://www.westermo.com/solutions/weos

CWE - CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection') (4.17)

Revision History

Jun 30 , 2025: Initial release