

- **Vulnerability description**

Matter devices contain a denial-of-service vulnerability that allows an attacker to send malicious Matter messages to the devices, causing a denial-of-service problem.

- **Affected product information**

Name	Firmware Version	Notes
Nanoleaf Light strip	v.3.5.10	Amazon Link
Govee LED Strip	v.3.00.42	Amazon Link
SwitchBot Hub2	v.1.0-0.8	Amazon Link
Phillips Hue hub	v.1.59.1959097030	Amazon Link
Yeelight smart lamp	v.1.12.69	Link

- **CVE-ID**

CVE-2023-42189

- **Vulnerability type**

Denial of Service

- **Triggering vulnerabilities**

The bug is related to the command `KeySetRemove (uint16)`, which is used to remove a given Group Key Set. This command requires one argument: `GroupKeySetID`, which has the data type `uint16` and its valid value is `[1, 255]`. To trigger the vulnerability, we provide an invalid value `0`.

Command	Normal message example -> exploit	Observations
<code>KeySetRemove (uint16)</code>	<code>KeySetRemove (1) -></code> <code>KeySetRemove (0)</code>	The devices accept the crafted message.

Once this malformed command is executed, subsequent scripts may prompt the devices to respond with errors like "Invalid CASE parameter" or "No shared trusted root."

- **Attack vectors**

By sending an exploit Matter message to the device