

CNN News Highlights — Vacuum Hack

1) dust	2) filter system	3) horsedrawn	4) invented	5) motor-powered pump to create suction	6) patented
---------	------------------	---------------	-------------	---	-------------

10-second trivia: When was the first electric vacuum _____? 1791, 1835, 1867, or 1901?

Answer is: 1901. British engineer Hubert Cecil Booth _____ a large _____ machine that used a _____, pulling _____ through long hoses into a _____ outside of the building.

1) experimenting with	2) flaw	3) hacked	4) potential security risks	5) shedding light	6) smart home devices
-----------------------	---------	-----------	-----------------------------	-------------------	-----------------------

Have you heard about the man who _____ 7,000 vacuum cleaners? A software developer _____ his own robotic vacuum discovered a _____ that allowed access to thousands of others, including their cameras and microphones, _____ on _____ with _____. Let's look at how it happened and what we should know.

1) deep cleaning	2) in theory	3) launching	4) navigated	5) PlayStation controller	6) software developer
------------------	--------------	--------------	--------------	---------------------------	-----------------------

“So, _____, you could have used someone else's vacuum and _____ it around their home to see whatever you wanted to see.”

“Or _____ at 4:20 for everyone. Yes.” _____ Sammy Azdoufal was building an app to hack his DJI Romo smart vacuum. He wanted to use his _____ to make it move.

1) access	2) approximate	3) in the process	4) live camera feeds	5) major security flaw	6) voice commands
-----------	----------------	-------------------	----------------------	------------------------	-------------------

But _____, he accidentally uncovered a _____. With the help of an AI chatbot, Sammy discovered he could also _____ what he says were roughly 7,000 other vacuums, allowing him to get their _____ locations and even remotely control other people's vacuums. He could also see through other users _____ and hear through their vacuum's microphones, features typically in place to help the vacuums navigate around a home and respond to _____.

1) beta testers	2) consumers	3) fix the issue	4) hide the camera	5) respond	6) takeaway
-----------------	--------------	------------------	--------------------	------------	-------------

When it happened, my wife start to _____ from the robot because she was scared. I don't know - I freak out or scared. Hehehe. Sorry, this make me laugh for nothing. But why they got to put a microphone in a vacuum? Like, I don't know. I don't get it.

Sammy immediately reported the flaw to DJI. After some back and forth, the company fixed it. DJI did not _____ to a request for comment from CNN. But Sammy says there's an important _____ here for _____ thinking about buying any smart home device. Let other users be-being a _____ before you. So the company will _____ before you buy it.

Translation

10 秒益智問答：第一台電動吸塵器是什麼時候發明的？1791、1835、1867 還是 1901 年？
答案是：1901 年。英國工程師休伯特·塞西爾·布思（Hubert Cecil Booth）為一台大型馬拉式機器申請了專利，該機器利用動力泵產生吸力，透過長軟管將灰塵吸入建築物外的過濾系統中。

你聽說過有人駭進了 7,000 台吸塵器嗎？一名軟體開發人員在測試自家的掃地機器人時，發現了一個漏洞，讓他可以存取數千台其他的機器人，甚至包括攝影機和麥克風，這揭示了智慧家居設備潛在的安全風險。讓我們來看看這是如何發生的，以及我們應該了解些什麼。

「所以理論上，你可以操控別人的吸塵器，在他們家裡繞來繞去，看任何你想看的東西。」
「或者是讓所有人的機器人在凌晨 4:20 開始進行深層清潔。沒錯。」軟體開發人員薩米·阿茲杜法爾（Sammy Azdoufal）當時正在開發一個應用程式，想要改裝（hack）他的 DJI Romo 智慧掃地機器人。他原本只是想用 PlayStation 控制器來操控它移動。

但在過程中，他意外發現了一個重大的安全漏洞。在 AI 聊天機器人的幫助下，薩米發現他竟然可以存取大約 7,000 台其他的吸塵器，讓他能獲取這些機器的大致位置，甚至遠端控制他人的吸塵器。他還能透過其他使用者的即時攝影機畫面觀察，並透過吸塵器的麥克風監聽；這些功能通常是為了幫助吸塵器在居家環境中導航並回應語音指令而設計的。

當這件事發生時，我太太因為很害怕，開始把機器人的攝影機遮起來。我不知道該說什麼——我很震驚也很害怕。嘿嘿，抱歉，這讓我莫名笑出聲，但為什麼要在吸塵器裡裝麥克風？我不懂，真的搞不明白。

薩米隨即向 DJI 通報了這個漏洞。經過一番溝通後，該公司已修復了問題。DJI 並未對 CNN 的評論請求做出回應。但薩米表示，對於考慮購買任何智慧家居設備的消費者來說，這是一個重要的啟示：讓其他使用者先幫你當「白老鼠」（測試員）吧，這樣公司就會在你購買之前把問題修好。



You can view this activity online here:

<https://linguadox.com/cnn-news-highlights-vacuum-hack/>

Answers

1) dust	2) filter system	3) horsedrawn	4) invented	5) motor-powered pump to create suction	6) patented
---------	------------------	---------------	-------------	---	-------------

10-second trivia: When was the first electric vacuum **4) invented**? 1791, 1835, 1867, or 1901?

Answer is: 1901. British engineer Hubert Cecil Booth **6) patented** a large **3) horsedrawn** machine that used a **5) motor-powered pump to create suction**, pulling **1) dust** through long hoses into a **2) filter system** outside of the building.

1) experimenting with	2) flaw	3) hacked	4) potential security risks	5) shedding light	6) smart home devices
-----------------------	---------	-----------	-----------------------------	-------------------	-----------------------

Have you heard about the man who **3) hacked** 7,000 vacuum cleaners? A software developer **1) experimenting with** his own robotic vacuum discovered a **2) flaw** that allowed access to thousands of others, including their cameras and microphones, **5) shedding light** on **4) potential security risks** with **6) smart home devices**. Let's look at how it happened and what we should know.

1) deep cleaning	2) in theory	3) launching	4) navigated	5) PlayStation controller	6) software developer
------------------	--------------	--------------	--------------	---------------------------	-----------------------

“So, **2) in theory**, you could have used someone else's vacuum and **4) navigated** it around their home to see whatever you wanted to see.”

“Or **3) launching 1) deep cleaning** at 4:20 for everyone. Yes.” **6) Software developer** Sammy Azdoufal was building an app to hack his DJI Romo smart vacuum. He wanted to use his **5) PlayStation controller** to make it move.

1) access	2) approximate	3) in the process	4) live camera feeds	5) major security flaw	6) voice commands
-----------	----------------	-------------------	----------------------	------------------------	-------------------

But **3) in the process**, he accidentally uncovered a **5) major security flaw**. With the help of an AI chatbot, Sammy discovered he could also **1) access** what he says were roughly 7,000 other vacuums, allowing him to get their **2) approximate** locations and even remotely control other people's vacuums. He could also see through other users **4) live camera feeds** and hear through their vacuum's microphones, features typically in place to help the vacuums navigate around a home and respond to **6) voice commands**.

1) beta testers	2) consumers	3) fix the issue	4) hide the camera	5) respond	6) takeaway
-----------------	--------------	------------------	--------------------	------------	-------------

When it happened, my wife start to **4) hide the camera** from the robot because she was scared. I don't know - I freak out or scared. Hehehe. Sorry, this make me laugh for nothing. But why they got to put a microphone in a vacuum? Like, I don't know. I don't get it.

Sammy immediately reported the flaw to DJI. After some back and forth, the company fixed it. DJI did not **5) respond** to a request for comment from CNN. But Sammy says there's an important **6) takeaway** here for **2) consumers** thinking about buying any smart home device. Let other users be being a **1) beta testers** before you. So the company will **3) fix the issue** before you buy it.