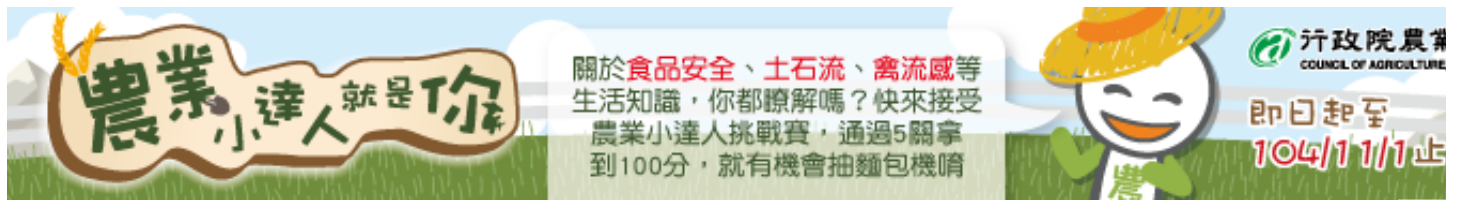


MUST READ: Driving a Tesla Model S hands-free



AdC

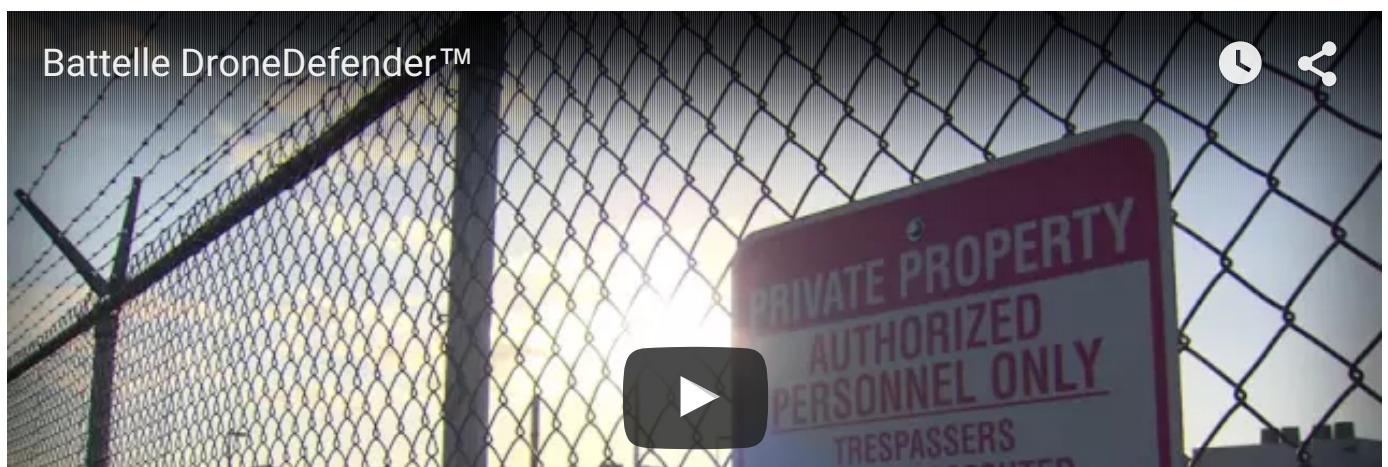
Anti-drone rifle shoots down UAVs with radio waves



by [Andrew Tarantola](#) | [@terrortola](#) | 51 Mins Ago



While the US military continues to develop [new](#) and [awesome](#) ways of blowing aerial drones to smithereens, not many of these systems can easily be adapted to use in the civilian realm. That's why Battelle has [developed the DroneDefender](#), a shoulder-mounted rifle that knocks UAVs offline with a barrage of radio waves.





"It can help us in numerous settings, from the White House lawn to bases and embassies overseas; from prisons and schools to historic sites," Alex Morrow, technical director on the project, said in a statement. "It easily and reliably neutralizes the threat." The weapon weighs roughly 10 pounds and can target drones up to 400 meters away. When the trigger is pulled, the gun emits a blast of electromagnetic energy tuned to the most common GPS and ISM frequencies, safely disabling the drone and preventing it from accepting any additional commands from its operator. This is especially helpful if the drone is equipped with an [improvised explosive device](#).

SOURCE: [Battelle](#)

TAGS: [battelle](#) [drones](#) [gps](#) [guns](#) [ism](#) [radio](#) [rifles](#) [uav](#) [uavs](#)

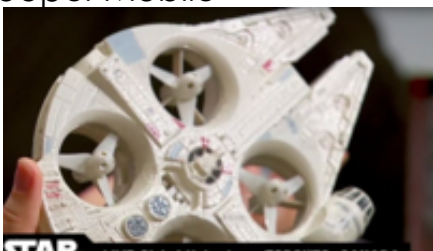
Recommended For You



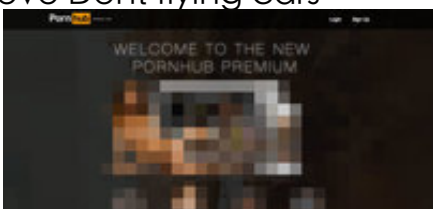
engadget



- 1. [Pornhub thinks your smartphone choice reflects...](#) a week ago [engadget.com](#) [AOL Forex Daniel Cooper](#) Daniel Cooper Mobile



- 2. [Disney is selling a Millennium Falcon drone from tomorrow](#) 3 weeks ago [engadget.com](#) [Engadget.com \(AOL\)](#) Steve Dent Steve Dent flying cars



6 comments

Please login to comment

SUBMIT

Newest Oldest Popular **AlmightyWhacko**

15 minutes ago

This almost seems pointless. Any nefarious agency who is building small drone weapons would just preprogram the drone's flight path. I doubt they would stick around within RC radio range waiting to blow stuff up as that is just asking to get caught.

All this thing would do is annoy avid Go Pro-ers trying to film school sporting events.

 0  0

REPLY

 **Ajedi32**

25 minutes ago

So basically just a directional jamming device? Meh, kinda interesting but it won't really knock most drones out of the sky, probably just freeze them in place. Though I suppose it might take out RC planes, quadrocopters, and and other non-drones which don't have the smarts to maintain their position when they lose the signal from their operator.

 0  0

REPLY

 **Shifted**

28 minutes ago

Please tell me this will be available for the general public to purchase....

 0  0

REPLY

 **Amberion** 

26 minutes ago

no, because it would be modified to disrupt electronics of other types. Anything that can be tuned to one frequency can be tuned to another. Just imagine something like that taking out an air traffic control tower.

👍 0 🗨️ 0

REPLY



AlmightyWhacko ➦

14 minutes ago

I really hope not. This thing probably effectively disables smartphones, car navigation devices and tons of other things that depend on radio signals to operate. It could be a disaster in the hands of some civilian idiot who thinks it is fun to randomly fire it off in urban areas.

👍 0 🗨️ 0

REPLY



simm

31 minutes ago

And UAVs could be programmed to stay in the air once its lost its signal to wait for another connection.

👍 +1 🗨️ 0

REPLY



AdChoices



Subscribe To Engadget In Your
Inbox. **Delivered Daily.**

email address

SUBSCRIBE

Aol Tech.

© 2015 AOL Inc. All rights reserved.

[Reprints and Permissions](#)

[Privacy Policy](#)

[Updated Terms of Use](#)

[Trademarks](#)

[AOL A-Z Help](#)

[Advertise with Us](#)