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## **Smart TVs Can Be Hacked by Embedding Code Through Over-The-Air Signals**

Smart TVs may actually be not smart, as hackers can easily hijack your smart TVs in your home through over-the-air (OTA) signals and use them as spying tools on end users or for DDoS attacks.

Rafael Scheel, a security researcher working for Swiss cyber security consulting company Oneconsult, has developed an attack that allows a hacker to take over devices using rogue DVB-T (Digital Video Broadcasting – Terrestrial) signals and gain root access on the smart TV. According to Scheel, this attack is not only unique but also much more dangerous than previous smart TV hacks.

The new hack shows that the attacker does not need to have physical proximity to the smart TV. All that is needed to hack a smart TV is a low-cost transmitter, which the hacker can use to embed malicious commands into a rogue TV signal that can be then transmitted to nearby smart TVs. The technique is known to work against two fully updated TV models made by Samsung. It would also likely work on a much wider range of TVs if the attack is revised to target similar browser bugs found in other web enabled TV sets.