

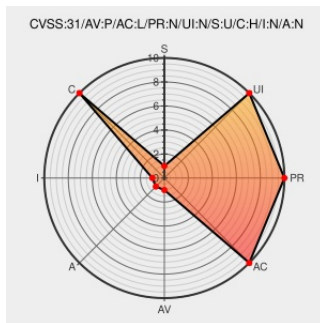


CVE-2020-12702

Published on: 02/24/2021 12:00:00 AM UTC

Last Modified on: 07/21/2021 11:39:00 AM UTC

CVE-2020-12702

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Ewelink](#) from [Coolkit](#) contain the following vulnerability:

Weak encryption in the Quick Pairing mode in the eWeLink mobile application (Android application V4.9.2 and earlier, iOS application V4.9.1 and earlier) allows physically proximate attackers to eavesdrop on Wi-Fi credentials and other sensitive information by monitoring the Wi-Fi spectrum during the pairing process.

CVE-2020-12702 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **4.6 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
PHYSICAL	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	NONE	NONE

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
eWeLink - Smart Home - Apps on Google Play	Product Third Party Advisory play.google.com	MISC play.google.com/store/apps/details?id=com.coolkit&hl=en_US

[text/html](#)

[CPSIoTSec20] A inSecure by Design IoT Protocol The ESP Touch Protocol and a Case Study - YouTube

[Exploit](#)[Third Party Advisory](#)[www.youtube.com](#)[text/html](#)

 MISC www.youtube.com/watch?v=DghYH7WY6iE&feature=youtu.be

GitHub - salgio/ESPTouchCatcher: eWeLinkESPT is a tool that automatically decodes and decrypts the WiFi network credentials transmitted to a supported ESP-based IoT device by the eWeLink mobile application. (CVE-2020-12702)

[Exploit](#)[Third Party Advisory](#)[github.com](#)[text/html](#)

 MISC github.com/salgio/ESPTouchCatcher

A (in)Secure-by-Design IoT Protocol | Proceedings of the 2020 Joint Workshop on CPS&IoT Security and Privacy

[Third Party Advisory](#)[dl.acm.org](#)[text/html](#)

 MISC dl.acm.org/doi/abs/10.1145/3411498.3419965

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Coolkit	Ewelink	All	All	All	All
Application	Coolkit	Ewelink	All	All	All	All
cpe:2.3:a:coolkit:ewelink:*:*:*:*:iphone_os:*:*:						
cpe:2.3:a:coolkit:ewelink:*:*:*:*:android:*:*:						

No vendor comments have been submitted for this CVE

[← Previous ID](#)[Next ID →](#)

© CVE.report 2023   |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)