

Topic **Release Note**
u-connectXpress software v5.2.2 for NINA-W13
UBX- 23010491 C1-Public

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Contents

1	General information	1
1.1	Scope	1
1.2	Related documentation	1
1.3	Released software image	1
1.4	Software tools	1
2	Solved issues	2
3	Known limitations	2
4	Changed behavior and default configurations	2
4.1	Wi-Fi Location – Reduced number of access points	2

1 General information

1.1 Scope

This release note describes the u-connectXpress software v5.2.2 for the NINA-W13 Wi-Fi module series. It covers changes compared to version 5.2.0.

1.2 Related documentation

- [1] u-connectXpress AT commands manual, [UBX-14044127](#)
- [2] NINA-W13 data sheet, [UBX-17006694](#)
- [3] u-connectXpress software user guide, [UBX-16024251](#)

1.3 Released software image

The files in the NINA-W13 software image are summarized in the table below.

File	Description
NINA-W13X-SW-5.2.2-001.bin	Software binary
NINA-W13X-CF-1.0.json	Manifest that defines the memory addresses for the binary
NINA-W13X-SI-5.2.2-001.txt	u-connectXpress software signature

1.4 Software tools

s-center version 7.0.1 is available for download from u-blox.com.

2 Solved issues

Area	Description	Reference
Wi-Fi	There is a noticeable increase in current consumption when using Wi-Fi in some modes of operation (including standby mode). Workaround: Send <code>AT+UWCFG=0,0</code> after the <code>+UWSCAN</code> , <code>+ULOCWIFIPO</code> or <code>+ULOCWIFIFMT</code> commands to restore the current consumption to the expected level.	UCS_DEV-3018

3 Known limitations

Area	Description	Reference
Application	UART baud rate higher than 115200 is not supported when Automatic Frequency Adaption is enabled.	UCS_DEV-196
Application	The netup event (<code>+UUNU</code>) for any network interface like Wi-Fi station(0), Ethernet(10), Bridge(13) will be emitted only if there is a valid IP address associated with the corresponding interface. The default IP address associated with any interface in case of static IPv4 mode is 0.0.0.0. This is the reason the netup event is not emitted when there is an interface activate command for bridge and Ethernet interfaces.	UCS_DEV-1096
Application	Double quotes in string arguments are not parsed as described in AT-manual.	UCS_DEV-2223
Wi-Fi	Storing Wi-Fi Station configuration (<code>AT+UWSCA=1,1</code>) while the station is active can result in crash. Workaround: to disable the STA by <code>AT+UWSCA=1,4</code> before storing it.	UCS_DEV-2228
Application	Incomplete downloads of webpages with a size more than 50 kB.	UCS_DEV-2355
Application	It is not recommended to subscribe to MQTT payloads bigger than 50128 bytes as the module may assert due to buffer overflow.	UCS_DEV-2732
Application	Secondary DNS server is ignored when PPP is enabled and the primary DNS server is a valid IP.	UCS_DEV-2776
Application	UDP multicast packets received when UDP server is enabled on that defined port.	UCS_DEV-2889
Application	Module crash if configured to start PEAP station client with server authentication and no certificate present.	UCS_DEV-2908
Application	Module crash when setting up a TLS connection to a server using a 4096 byte certificate.	UCS_DEV-2911
Wi-Fi	Extra space character in Wi-Fi station status message (<code>+UWSSTAT:0,2,<SSID_name></code>) when the SSID name has 32 characters.	UCS_DEV-3033

4 Changed behavior and default configurations

4.1 Wi-Fi Location – Reduced number of access points

The minimum number of access points for `+ULOCWIFIFMT` and `+ULOCWIFIPO` has been changed. At least two access points are required for CellLocate format and three for Google format. For other formats, Skyhook and Here, the minimum number of access points remains unchanged as five.