

Release note

Topic	u-connectXpress v8.2.1 for ODIN-W2	
	UBX-22039783	C1-Public
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Date	31 January 2023	

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Contents

1	General information	1
1.1	Scope	1
1.2	Related documentation	1
1.3	Released software package	1
1.4	Released software tools	1
1.5	Software update procedure	2
2	Solved issues	2
3	Known limitations	2
4	Changed default configuration	2

1 General information

1.1 Scope

This release note describes the u-connectXpress software version 8.2.1 for the ODIN-W2 stand-alone multiradio module. It covers the changes compared to version 8.2.0 of the u-connectXpress software.

1.2 Related documentation

- [1] u-connectXpress AT commands manual, [UBX-14044127](#)
- [2] ODIN-W2 data sheet, [UBX-14039949](#)
- [3] ODIN-W2 system integration manual, [UBX-14040040](#)
- [4] ODIN-W2 product summary, [UBX-15004332](#)

1.3 Released software package

File: ODIN-W26X-SW-8.2.1-004.bin



The software package zip file is available for download from www.u-blox.com.

1.4 Released software tools


s-center version 7.0.1 has been released and is available from u-blox.com.

1.5 Software update procedure

It is possible to update all ODIN-W2 series modules to u-connectXpress v8.2.1. See the ODIN-W2 system integration manual [3] for information about the software update procedure.



-  Updating to v8.2.1 from v8.2.0 will NOT restore the default configuration settings (the current custom configuration will be kept)
-  Updating to v8.2.1 from versions earlier than 8.2.0 will restore the default configuration settings

2 Solved issues

 Note that some of the solutions to the below solved issues require new or changed AT commands.

Area	Description	Reference
Wi-Fi	The Wi-Fi channel list in u-connectXpress version 8.0.x and 8.2.0 for ODIN-W263 is set to World instead of ETSI, causing some channels to be disabled. ODIN-W260 and ODIN-W262 are not affected.	UCS_DEV-2809

3 Known limitations

Area	Description	Reference
Wi-Fi	If TX flush is used when setting up TCP connections (flush_tx=1), reconnections may in some specific use-cases require two connection attempts (applicable for software version 7.1.0 or later).  A workaround is to disable lwip TCP_NODELAY, which is the configuration used in software versions before 7.1.0: <code>AT+UDCFG=105,1</code> Default and recommended configuration is <code>AT+UDCFG=105,0</code> (lwip TCP_NODELAY enabled)	UCS_DEV-2485
Wi-Fi	Module crashes when receiving very large EDM packets. Seen with 4 kB packet size when using EDM together with TLS.	UCS_DEV-508
Bluetooth	Bluetooth SPP data could be delayed by more than 1 second when sending data from slave to master.  A workaround is to use active polling: <code>AT+UBTCFG=100,1</code>	UCS_DEV-1051
Application	Credentials stored in the module before the u-connectXpress software is updated to 8.0.x or 8.2.x, are not encrypted. To encrypt existing credentials, the flash needs to be erased in the bootloader and the credentials must then be stored again. Credentials that are stored already can be erased by the bootloader command <code>> e 81c0000 40000</code> . If no credentials are stored in the module before 8.0.x or 8.2.x is flashed, they are encrypted when first programmed from the host.	UCS_DEV-2350

4 Changed default configuration

The default configuration is not changed.