

Information Note

Product Name	Ordering Code	Design Status	Created		Document #
LISA-U200	LISA-U200-02S	Initial Production	este	22.08.2013	UBX-13003492
	LISA-U200-62S				
LISA-U260	LISA-U260-02S				
LISA-U270	LISA-U270-02S				
	LISA-U270-62S				

1. Identification			
Package	1	No of units	1
Marking		Data Code	
Firmware	22.90		

2. Restriction as compared to specification	
See Annex A.	

3. Detected Defects	
See Annex B.	

4. Workarounds	
Workarounds – if available – are described in Annex A and B.	

5. Test Status		
<input checked="" type="checkbox"/> Tested according to specification	<input type="checkbox"/> Untested	<input type="checkbox"/> Limited testing. see Annex A & B

6. References	
[1] LISA-U2xx Data-sheet, u-blox Document UBX-13001734, Revision B [2] u-blox AT-commands Manual, u-blox Document WLS-SW-11000, Revision C3 [3] LISA-U System Integration Manual, u-blox document UBX-13001118, Revision B	

7. Expected Customer Feedback		Expected by
Feedback should be provided to u-blox technical support.		

8. Delivery Release			
Product Manager		Quality Manager	
Name: Ezra Stein	Date: 22.08.2013	Name:	Date:

Annex A – Restrictions compared to specifications

Hardware

No restrictions.

Features / Firmware / Software

- Audio over USB interface is not implemented. Feature will be implemented in a next Firmware version.
- Control Plane Aiding for A-GPS is not implemented. Feature will be implemented in a next Firmware version.
- TX data ready feature (see [2]) doesn't work with ublox7 GNSS modules. The feature works with ublox6 GNSS modules.

Annex B – Known bugs and limitation

- The maximum file size on FFS is limited to 5 Mbytes.

Annex C – New features implemented in this firmware version

Features implemented in all modules

- Add the features SUSPEND and RESUME to FTP functionality. See [2] chapter FTP.
- Allow software Flow Control (XON/OFF) with external TCP/IP.
- Improve the performance of Jamming Detection algorithm. AT command: +USD
- Configure RING line to indicate in-coming data. AT command: +URING
- Number of PDP context is increase to maximum 11 (was before 3). AT command: +CGDCONT
- Allow the AT command +CSQ also when the no SIM card is present.
- Allow to append data into a file in the local File System. AT command: +URDBLOCK
- Allow setting the local port for a TCP socket. AT command: +USOCR
- Fast Dormancy. The feature is per default disabled and must be enabled. AT command:+UFDAC
- Power Saving mode can be controlled by DTR line. AT command:+UPSV=3
- Automatic Time Zone Update save in NVRAM. AT command: +CTZU
- Configuration of the timer for "Direct Link" mode. AT command: +UDCONF=5
- "always-on": module establishes automatically a TCP direct link connection at switch on and will keep it alive. AT command: +USOAO
- Lock the module to the current base-station and do not do handover. AT command: +UCELLLOCK
- Improvements in the functionality of CellLocate: automatically sending a UBX command when CellLocate was used.
- Decoding of DTMF. AT command: +UDTMFD .
- Full support of eCall, ERA/GLONASS and InBand modem. See [2] chapter eCall and In-Band Modem.
- Notification of change of IP-address: automatically inform a server when its IP address has changed. AT command: +UIPCHGN .
- Use a commercial Dynamic DNS server in order to allow automatic DNS propagation when DNS is used and IP change. AT command: +UDYNDNS .
- UART support for 7 bit / E / 1 format. AT command: +ICF .

Features implemented in LISA-U270-62S (Softbank)

- "Always-on" according to the requirements of Softbank. AT command: +CGPERMSET,+CGPERMACT,+CGPERSTATE .

Features implemented in LISA-U200-62S (DoCoMo)

- PDP connection type=PPP (in addition to type=IP). AT command: +CGDCONT .
- PS PUSH: AT command: +CGANS, +CGAUTO .