

Product Change Notification
Software Release Notes
MultiTech xDot® Long Range LoRa® Modules



AT Command Firmware
MultiTech xDot® v4.2.30

Date: May 27, 2026

Product Change Notification (PCN) Number
PCN 05272026-001

Summary

MultiTech announces a new firmware release for xDot® Essential and Advanced LoRaWAN modules.

Impacted Products

All MultiTech xDot® Essential and Advanced modules and developer kits.

UPC	Ordering Part Number	Description
789407381324	MTXDOT-WW1-B15-TR-400	xDot Essential with Trace Antenna and Tape and Reel Packaging (400 quantity) Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407379307	MTXDOT-WW1-B15-TR-250	xDot Essential with Trace Antenna and Tape and Reel Packaging (250 quantity) Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407381300	MTXDOT-WW1-B10-TR-400	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (400 quantity), Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407379284	MTXDOT-WW1-B10-TR-250	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (250 quantity), Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407381317	MTXDOT-NA1-B15-TR-400	xDot Essential with Trace Antenna and Tape and Reel Packaging (400 quantity) (US/Canada)
789407379291	MTXDOT-NA1-B15-TR-250	xDot Essential with Trace Antenna and Tape and Reel Packaging (250 quantity) (US/Canada)

UPC	Ordering Part Number	Description
789407381294	MTXDOT-NA1-B10-TR-400	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (400 quantity) (US/Canada)
789407379277	MTXDOT-NA1-B10-TR-250	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (250 quantity) (US/Canada)
789407381102	MTXDOT-CN1-B15-TR-400	xDot Essential with Trace Antenna and Tape and Reel Packaging (400 quantity)(China)
789407381096	MTXDOT-CN1-B10-TR-400	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (400 quantity), (China)
789407379260	MTMDK-XDOT-WW1-B14	xDot Essential Developer Kit, includes UFL antenna (3-Pack) Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407379222	MTMDK-XDOT-WW1-B10	xDot Advanced Developer Kit, includes UFL and Trace Antenna (3-Pack) Global (Australia, European Union, India, Japan, Korea, United Kingdom)
789407379253	MTMDK-XDOT-NA1-B14	xDot Essential Developer Kit, includes UFL antenna (3-Pack) (US/Canada)
789407379215	MTMDK-XDOT-NA1-B10	xDot Advanced Developer Kit, includes UFL and Trace Antenna (3-Pack) (US/Canada)
789407381126	MTMDK-XDOT-CN1-B14	xDot Essential Developer Kit, includes UFL antenna (3-Pack) (China)
789407381119	MTMDK-XDOT-CN1-B10	xDot Advanced Developer Kit, includes UFL and Trace Antenna (3-Pack) (China)

Overview of Change

New firmware version 4.2.30 (replacing 4.2.26)

Firmware Version Information

- LoRaWAN – 1.0.4
- Regional Parameters – RP2 1.0.3
- Fragmentation – v1.0
- Multicast Setup – v2.0
- library – v4.2.29
- mts-lora - v4.2.23
- Bootloader
 - xDot 1.2.3

Channel plans

- US915, EU868, AU915, AS923-1, AS923-2, AS923-3, AS923-4
- AS923-JAPAN1, AS923-JAPAN2, KR920, IN865
- CN470

Commands Added:

- AT+RXMS - Time in ms spent in RX mode since last AT+SEND
- AT+STXP - Session Tx Power

Bug Fixes:

- Join Back-off: Reset time-on-air allowed in 24-hour intervals
 - It was possible to carry over time-on-air counter into next 24 hours, without a timed reset if all the time-on-air was not used in join attempts
- Bootloader Fix for Firmware Update
 - Fixed issue in the bootloader where the module would fail to upgrade firmware if random data was received on the alternate port during the 250ms window

Key Dates

Implementation:

- Firmware available for download now at [MultiTech Developer Resources » Downloads](#)
- Anticipated factory implementation starting late Q2 2026

Suggested Action Plan

Customers

- Review the information in this PCN and forward to others within your organization who are actively involved with the development of IoT applications using the MultiTech xDot.
- Consider downloading the firmware available on the MultiTech website to check compatibility with existing deployments.

Distributors

- Forward this announcement to others within your organization who are actively involved in the sale or support of LoRa-enabled modules.
- Notify existing customers of this change and encourage them to evaluate the new firmware with their custom application.



Additional Information

If you have any questions or require additional information on this Product Change Notification, please contact your MultiTech sales representative or visit the technical resources listed below:

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MultiTech Website: www.multitech.com

MultiTech Support Portal: <https://multitech.com/product-support/>

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Revision History

Version	Author	Date	Change Description
-001	TM	05/27/2026	Original version