

XDL Firmware Release Notes, January 2017

Version 1.34.0001, ID#1551, Jan 2017

FW for all XDL Micro and TDL 450i modems

<u>ID#</u>	<u>Description</u>
1534	Improved performance inside the Spectra Precision SP80 when using 4FSK modulation
1550	Fixes issue in ver. 1.30 inside XDL Rover 2 upon start-up

Version 1.30.0002, ID#1503, May 2016

FW for all XDL Micro modems

<u>ID#</u>	<u>Description</u>
1156	Support for additional API commands
1319	Size optimization
1487	Fixed issue that could cause serial port malfunction after days of continuous operation
1499	Improved performance with Transparent EOT protocol
1502	Improved performance with SATEL protocol

Version 1.26, February 2016

Runs only on XDL Rover 2.

<u>ID#</u>	<u>Description</u>
1504	Swap RX/TX LED pin assignments if Rev K hardware is detected

Version 1.24.0003, Oct 2015

Runs only on XDL Micro and TDL 450i modems except those inside XDL Rover 2

<u>ID#</u>	<u>Description</u>
1369	Improve performance when programming modem with empty channel table
1476	Improved support for Trimcomm command SETRXTX

Version 1.20.004, Aug 2015

Runs only on XDL Micro and TDL 450i modems except those inside XDL Rover 2

<u>ID#</u>	<u>Description</u>
885	Speed up call sign (Morse code) to 20 words per minute
1256	Support SATEL's Error Checking, CRC16 and whitening features
1260	Fix for RSSI interference bug seen in some GNSS receivers
1432	Display XDL Micro model ID
1457	Fixed situation in some GNSS receivers in which XDL Micro modem would not transmit upon receiver power up
1459	Improved compatibility with SATEL radios; improved throughput in 4FSK/19200/EOT/FST
1258	AutoRover 1 and 2 for XDL Rover 2
1320	Signal interference rejection enhancement
1407	Allow program valid 4FSK modes using ADLCONF
1434	Improved compatibility with SATEL "Scramble" mode

Version 1.18.0001, July 2015

Runs only on XDL Rover 2.

<u>ID#</u>	<u>Description</u>
1443	Wrap serial I/O in BT packet-mode format

Version 1.14.0001, ID#1336

Runs only on XDL Rover 2.

<u>ID#</u>	<u>Description</u>
1337	Support SATEL EC, CRC16 and whitening features in RX mode
1334	Support setting region code with API command

Version 1.12.0002, Sep 2014

Released for all XDL Micro and TDL 450i modems

<u>ID#</u>	<u>Description</u>
1309	Enable brownout detection and reset

Version 1.08.0001, January 2014

Runs on both Rev G Rev J boards and on both XDL Micro, TDL 450i and XDL Rover2. Based on V1.06.0003 and boot loader V0.00.0013 and the following bug fixes:

<u>ID#</u>	<u>Description</u>
941	Removed Transparent EOC protocol support
1139	Prevent repeater from transmitting when it is put into command mode
1214	Fixed "Strong Signal" issue for EOT/9600/25Khz with Canada and ROW Region Codes
1225	XDL Rover 2 RX LED would not blink when data is received
1250	Fixed excessively persistent RX LED in XDL Rover 2

Version 1.06.0003, Sep 2013

Runs on both Rev G Rev J boards of XDL Micro and TDL 450i

<u>ID#</u>	<u>Description</u>
Various	Support both Rev G and Rev J hardware
1233	Improved performance above 75°C
1125:	Improved operation when Auto Rover feature is selected
1170:	Add warnings regarding exceeding transmission power levels
1205:	Improved compliance with US Narrowbanding requirements
1173:	Support 10-digit serial numbers
1156:	Improved API support: 1 Hz temperature status, PA circuit breaker reset
1063:	Improved support for transmitting very small data packets
1161:	Includes automatic recovery/reset for hot temperature protection while transmitting
1172	Support operation on both Rev G and Rev J boards
1109	Firmware optimization
1150	Support changing antenna protection thresholds
1094:	New bootloader (version 0.00.0013)

- 1098: Fixed a region code response error ("Eur/ROW" was returned when the region code actually was "US"). Updated region code strings naming convention.
- 1106: Prevent transmission when modem is in command mode
- 1028: Create new US region code to support narrowbanding in the US.
- 1054: Updated Blade's TX calibration algorithm to provide better output power performance
- 1035: Updated TX power calibration for better output performance
- 915: Improved antenna protection reset to support 2W transmissions
- 1005: Improve sensitivity at 12.5 kHz, 4800 bps
- 806: Support Spectra receiver daisy chaining
- 901: Add Ulink support
- 941: Remove EOC support in Blade

Version 1.00.0036 (First public release, June 2012)