

# #654 Xpert2

## Release Xpert2 v3.19.0.10



**Product Family:** Xpert2

**Bulletin #:** 654

**Sub Assembly:**

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**Originator:** Mike Nelson

**Subject:** Release Xpert2 v3.19.0.10

**Routing:**  Customer Service  
 Engineering Staff

Technician Staff  
 Other-Sales

### Xpert2 Datalogger Software and Manual Updates

Xpert2 app:	v3.19.0.10	8204-1091
Xpert2 kernel:	v6.27.10	8204-1090
Xpert2 loader:	v6.27.10	8204-1089
Xpert2 micro monitor:	v6.27.10	8204-1088
Xpert2 SDK	v3.19.0.10	8202-1071
Xterm software:	v3.19.0.10	8200-1083
Xpert2 User Manual	v3.19	8800-1173
9210B User Manual	v3.19	8800-1172
Xpert Nortek SLL User Manual	v3.19	8800-1198
Xpert LEADS SLL User Manual	v3.19	8800-1202

#### Changes from previous release (v3.18.0.12):

1. GPRS and Iridium updates:
  - Added ability to transmit over GPRS even when LAN is active
  - Fixed bugs that could lead to GPRS communications thread locking up
  - Added a timeout to force-hangup GPRS (RAS/PPP) dial attempt, should it get stuck
  - Fixed a bug where registry entries for new HSPA modem were being overwritten during upgrade
  - Added support for Iridium fall-back of GPRS alarm transmissions
2. LEADS SLL updates:
  - Corrected output labels of LEADSVectAvg block
  - Added an Ignore DSR/CD option to LEADS to allow use of devices which do not assert either DSR or CD. Debug message say "CCSAIL: Waiting for data."
  - Switched the default LEADS/CCSail telnet port value from 24 to 26 to avoid conflicts with Remote
  - If CCSAIL is unable to startup and take control of the serial port for any reason, rather than failing, it will retry every 30 seconds
  - Added support for Zeno log export date format when LEADS.SLL is present
3. Nortek SLL updates:

- Nortek block now formats amplitudes correctly (no longer 0.0), when creating a PORTS tag using ASCII data (e.g., data obtained via “NS” command)
  - Added support to Nortek block for decoding binary data streams from Nortek Aquadopp sensors
  - Fixed a bug in the Nortek block where only up to about 1000 files could be written to the designated archive directory
  - Fixed a bug where sending configuration file to 2D AWAC would fail
  - Added support for creating nested archive directory (via Nortek block settings)
4. Prompt user to turn recording off when resizing or clearing a log
  5. Watchdog added to startup, to recover from problems loading SD Card logs
  6. Revised NOS formatter to ensure that formatting continues even when primary water data is missing or has bad quality
  7. Fixed a memory leak in Basic’s WaitEvent function
  8. Fixed a memory leak caused when clearing a log
  9. Added INSAT TDMA satellite type selection for Satlink
  10. Fixed bug where speech modem key processing failed to exit on abort (app exit, etc.)
  11. Updated vectored average algorithm to use Yamartino method for calculating STD Direction Unit (VectAvg, LEADSVectAvg, and NIFCAvg blocks)
  12. Added AquaPro SLL to standard build and download
  13. Enhancements to UW-APL custom SLL