

Version 1: 15 December 2022



MiX4000
Release Notes

New features and enhancements

Description	Component	Version
Logging was added to detect possible blue plug corruption.	Driver ID, Codeplug	4.12.13
Permanently enable AT command log feature to speed up investigations around comms issues.	Diagnostics	4.12.13

Fixes

Description	Component	Version
A vulnerability was fixed where converting invalid GPS coordinates from a beacon (such as received from a TABS beacon) from degrees to semicircles could cause the unit to reset.	GPS, TABS	4.12.13
BTS service not waiting for the <i>Transfer complete</i> message to be sent before closing the TCP socket, resulting in MiX Connect not reliably receiving the message.	Comms	4.12.14
The issue that resulted in the device not applying config until the unit resets causing a device not to log any trips has been resolved.	Trips	4.12.13
An Iridium issue caused by a timeout of AT command after TX state was busy sending, resulted in a state machine reset and subsequent prevention of retries. This led to Iridium outages that could only be fixed by a unit reset. The fix addresses the condition to ensure that the lockout state is always reset and thereby allowed to retry on a failed send.	Iridium	4.12.13
The modems do not always report that the internet connection has been dropped by the network provider. When this happens, the firmware sends messages but they do not get acknowledged. With this fix, firmware detects a dropped internet connection after 2.5 minutes of not receiving any ACKs, and instantly recovers (when the GSM is in coverage) by refreshing the internet connection.	GSM	4.12.13
The firmware was previously unable to report that the internet was not working unless the unit lost GSM coverage completely. In this case, the unit would only recover after a GSM watchdog reset.	Comms	4.12.13
A mismatch in the DTCO extended driver ID match length has been addressed and the length has been corrected to 14.	DTCO	4.12.15

Known issues

Description	Severity
Comms delays on MiX 4000 seemingly from bad network conditions.	High
Power loss (cold boot) mid-trip can lead to missing tacho for section prior to cold boot.	High
GPS TTFF improvement to address jumps from garages or tunnels. GPS jumps when departing from garages.	Med