



AirPrime XP2210

Customer Release Notes for R16.2



SIERRA
WIRELESS®

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1. Introduction

1.1. Document Scope

This document describes XP2210 firmware releases.

1.2. Document Audience

These release notes may be distributed to all direct and indirect customers.



2. Abbreviations and Definitions

Table 1. Abbreviations and Definitions

Abbreviation/Acronym	Definitions
PVT	Position, Velocity and Time.
UDR	Untethered Dead Reckoning.
UTC	Coordinated Universal Time
GNSS	Global Navigation Satellite System



3. Related Documentation

- [1] AirPrime – XP2210 – AT Command Reference Guide
Reference number: 41113738

>> 4. Compatibility

4.1. Hardware Compatibility

Table 2. Hardware Compatibility

AirPrime Compatibility List
XP2210

5. Software Release Description

Identification	SWI5608XP_R16.2_158F_18948
File Name	cxd5606_fw_18948_73ef693_158F_Encrypt.zip
Date of generation	24 September 2020
Binary size	752,282 Bytes
Applicable module	XP2210
Interface	UART, I2C
Support Satellite System	GPS+GLONASS+QZSS
Default Satellite System	GPS+GLONASS+QZSS

Identification/File Name	XP2210_v16.2.bin
Date of generation	24 September 2020
Binary size	25,660 Bytes
Applicable module	XP2210
Interface	UART, I2C



6. Software Changes Description

6.1. Validated Corrections/Improvements

Table 3. Validated Corrections and/or Improvements

Description	Impacted Functionality
Fixed module returning incorrect responses for both valid and invalid parameters.	AT+GNSSLLE
Changed the year limit of UTC configuration. The range of configuration UTC is from 1999 to 2037.	AT+GNSSUTC
Improved GNSS reacquisition.	
Added backup to flash and query calibration data from backup RAM.	AT+GNSSBUP
Added command for setting UTC time.	AT+GNSSUTC
Added command for clearing UDR data.	AT+GNSSURST
Fixed the XP2210 issue wherein it does not wake up from sleep 1 when using I2C.	AT+GNSSSLP
Revised PVT log format.	AT+GNSSPRTL
Added velocity speed in PVT log.	AT+GNSSPRTL
Changed altitude from base altitude to antenna altitude in PVT log.	AT+GNSSPRTL

6.2. Interface Changes

Table 4. Interface

Command/Feature	Comment
AT+GNSSBUP	Configured and queried the UDR backup data.
AT+GNSSURST	Cleared UDR data.
AT+GNSSUTC	Configured and acquired current UTC time.
AT+GNSSPRTL	Configured and queried the log and configuration of PVT log in flash.

7. Restrictions/Known Issues

This section presents restrictions or known issues that must be considered regarding this release.

Description (What/When)

Cannot configure the following positions: 90°N, 90°S, 180°E and 180°W
