MOTOROLA *SOLUTIONS*

PDR8000® Release 5.06

Product Tested:

Repeater Module Firmware:	4C088X01 R5.06
Repeater Module Boot Firmware:	4C088X02 R5.06
Transceiver DSP:	4C083X03 01.18
Baseband DSP:	4C083X04 01.54
IF Module Firmware:	4C088X07 R5.06
IF Module Boot Firmware:	4C088X08 R5.06
FRC Programming Software:	6V088X01 R1.50

New Features / Performance Enhancements:

Description: The Following features have been added and/or improved in Release 5.06.

FEATURE	DESCRIPTION
T-Band	Support for UHF Frequencies of 470-512 MHz

Description: The Following features have been added and/or improved in Release 5.0.

FEATURE	DESCRIPTION
DFSI	Digital Fixed Station Interface (DFSI) Protocol Version 1 support via the wired Ethernet port of PDR8000s. Implemented as per TIA standard called Project 25 Fixed Station Interface Messages and Procedures (TIA-102.BAHA-A).
Personnel Accountability	If repeater is programmed with local data repeat, then Personnel Accountability is available on digital channels.
Tactical Public Safety (TPS)	Applicable to mixed mode channels. Mutually exclusive with V.24.
NPSPAC	NPSPAC 800 MHz frequency compliance
Rackmount PDR8000 with 50W PA option	Limit/protect the RF power output into a Rackmount PDR8000 Power Amplifier
External Alarm Support	Support for external alarm relay on Rackmount PDR8000

Issues Fixed since last major release:

Issue	Description	Release	Date
Not all Data Packets locally repeated	When configured to locally Repeat Packet Data, some data packets were not being repeated. [PDR-1143]	5.06	Aug. 2024
Booster Pack compatibility checking	Blocking the connection between a PDR and a mismatched-band Booster Pack did not work for newer PDR hardware. [PDR-1089]	5.06	Aug. 2024
Dropped USB link when reading log	In some cases, USB link became non-functional after reading EEPROM Log into FRC. [PDR-1086]	5.06	Aug. 2024
Test Transmissions missing indications on FRC	When executing an analog test transmission through PDR front panel or FRC, the FRC Monitoring Window did not correctly display Tx PL value for the test transmission. [PDR-1084]	5.06	Aug. 2024
Intolerance to marginal-quality USB links	FRC ability to read/write to PDR8000 did not work well if a USB-extender was used on that connection. [PDR-974]	5.05	Jan. 2024
Link Health calculated incorrectly – missing sliding window	Corrected algorithm to detect Network Health (Good, Marginal or Poor) [PDR-883]	5.04	Aug. 2023
Repeater knocked down unexpectedly	Intermittently on power-up PDR8000 could initialize to repeater knocked-down even if configured differently. [PDR-861]	5.03	May 2023
Wireline Link Failure message overwriting others	Display of more important error indications may have been obscured by a Link Failure message on PDR8000 display [PDR-774]	5.02	Dec. 2022
Elevated power into Booster Pack	PDR8000 could provide slightly higher than desired power into Booster Pack [PDR-769]	5.02	Dec. 2022
Incorrect keypad/menu behavior if disabled	PDR8000 did not correctly block access to all menus if keypad/display disabled in FRC [PDR-730]	5.02	Dec. 2022
Incorrect timestamp logged	During initialization PDR8000 was logging (in EEPROM Log) incorrect date/time for Deployment/Channel selection [PDR-605]	5.02	Dec. 2022
Unclear Error/Warning indications	PDR8000 displayed only numeric error/warning codes on keypad display, even for user-serviceable issues [PDR-582]	5.02	Dec. 2022
Time zone / DST not set properly	Configuring Time Zone and Daylight-Saving Time from FRC may not properly update repeater TZ/DST [PDR-709]	5.01	Sept. 2022
Incorrect Power Up Deployment Profile	PDR8000 may not boot into the expected Deployment Profile [PDR-694]	5.01	Sept. 2022

Known PDR8000 issues in this release:

Issue	Description	Release	Date
N/A			

Known PDR8000 limitations:

- None