

Futurecom Repeater Configurator (FRC) Release Notes – May 2023

FRC Software (6A083X06): New Version:1.34 Old Version: 1.32

Note: FRC 1.34 software supports all hardware platforms: DVR-LX®, DVR, VRX1000, PDR8000®.

FRC 1.34 contains three main components to service all hardware programming needs.

1. Configurator for VR (DVR-LX®, DVR, VRX1000), ver. 1.34
2. Configurator for PDR8000®, ver. 1.34
3. Flash Downloader Utility, ver. 2.00

This release of FRC is **backwards compatible with all APX repeater and PDR firmware versions**. It supports reading and writing to all previously configured devices.

FRC Notes for VR release 1.80

To access new features/enhancements/improvements listed below, the repeater must be using applicable firmware version as identified in Compatibility Chart located on the Futurecom Website in the Support Portal: Home → Support → Documentation and Software

FRC New Features / Enhancements:

- FRC support to VR when factory calibration failure is detected ^{DVR-1783}
- More meaningful name for User Info window ^{DVR-1447}

FRC Issues Fixed:

- Permanent Primary text box doesn't update ^{DVR-2012}
- Cosmetic FRC issue when creating channels in DVR ^{DVR-2056}
- When loading an OLD .dcd template file, Date of Programming fields are all zeroes ^{DVR-2081}
- Modify pop up message when loading newer DCD to repeater with f/w on older map ^{DVR-2119}
- Applying License file may cause FRC to no longer function ^{DVR-1979}

FRC Field Names Updates: N/A

FRC Known Issues:

- Transmission initiated from the Monitoring window may not work ^{DVR-2251}

FRC Notes for PDR8000[®] release 5.03

PDR8000[®] New Features / Enhancements:

- Update FRC with latest company Logo^{DVR-2023}
- Extend the FRC support to PDR when factory calibration failure is detected ^{PDR-809 and PDR-816}
- FRC to block navigation to online monitoring/logging windows during offline editing session ^{PDR-697}

PDR8000[®] Issues Fixed:

- FRC to add more fields to the DPD template ^{PDR-704}
- Update PDR Default Values in FRC ^{PDR-757}
- FRC to allow standard user access to Channel Number Spacing ^{PDR-805}
- FRC to restrict Rackmount Booster to specific channel/duplexer configurations ^{PDR-810}
- Update PDR Defaults for Reset Deployment ^{PDR-759}
- Clarify error message when creating channels in PDR ^{PDR-828}
- Certain Fields Marked with ⌘ Symbol are Propagated Through Template File ^{PDR-860}
- Improve error handling when invalid input is entered to certain fields ^{PDR-679, PDR-680}

PDR8000[®] Field Names Updates: N/A

PDR8000[®] Known Issues:

- FRC may not allow editing of the "Personality Description" field in the "Personality Information" window. ^{PDR-888}
Workaround: utilize keyboard <delete> key on this field first, then type the desired characters.
- Transmission initiated from the Monitoring window may not work ^{DVR-2251}
- Customer sees warning message for unused Deployments ^{PDR-872}

HISTORICAL RELEASE NOTES FOR REFERENCE

Futurecom Repeater Configurator (FRC) Release Notes – December 2022

FRC Software (6A083X06): New Version:1.32 Old Version: 1.31

Note: FRC 1.32 software supports all hardware platforms: DVR-LX[®], DVR, VRX1000, PDR8000[®].

FRC 1.32 contains three main components to service all hardware programming needs

4. Configurator for VR (DVR-LX[®], DVR, VRX1000), ver. 1.32
5. Configurator for PDR8000[®], ver. 1.32
6. Flash Downloader Utility, ver. 2.00

This release of FRC is **backwards compatible with all APX repeater and PDR firmware versions**. It supports reading and writing to all previously configured devices.

VR Release Notes

To access new features/enhancements/improvements listed below, the repeater must be using applicable firmware version as identified in Compatibility Chart located on the Futurecom Website in the Support Portal: Home → Support → Documentation and Software

FRC New Features / Enhancements:

- Modify FRC menus to help understand DCD/DPD templates^{DVR-1796}
- Added MSU RF Bypass Switch Extension field^{DVR-1714}
- RSSI Setup: Change a few Threshold-related fields to read-only^{DVR-1777}
- Socket fields from Menu Bar in FRC were removed^{DVR-1881}

VR Issues Fixed:

- Added Missing Channel Offset/Deviation choice for NPSPAC^{DVR-1665}
- NAC Linking should not be enabled on a Tier 2 VRX1000^{DVR-1935}
- DCD files do not propagate fields in the upper section of the Frequency Band Configuration screen^{DVR-1883}

FRC Field Names Updates

- Modify field labels in RSSI Setup window^{DVR-1745}

FRC Known Issues: N/A

PDR8000[®] Release 5.02

PDR8000[®] Product Tested:

Repeater Module Firmware:	4C088X01 R5.02
Repeater Module Boot Firmware:	4C088X02 R5.00
Transceiver DSP:	4C083X03 R1.18
Baseband DSP:	4C083X04 R1.54
IF Module Firmware:	4C088X05 R5.02
IF Module Boot Firmware:	4C088X06 R5.02

PDR8000[®] New Features / Enhancements:

- File handling enhancements - Change labels on menu entries ^{PDR-698}
- FRC field labels improved to indicate Configuration fields that are not propagated through template files ^{PDR-700}
- Remove access to fields not propagated via template files when doing offline editing of template ^{PDR-701}
- FRC field labels improved to indicate Configuration fields affecting FRC application, stored locally ^{PDR-702}
- Provide warning if user overlays a template file onto a repeater with different feature licenses ^{PDR-703}
- Improve management of IP-based configuration fields (e.g., DFSI-related fields) ^{PDR-708}
- User can access the Display Unit field ^{PDR-731}
- Add necessary protection for FM Dev. Limit & PL FM Deviation when reading DPD files ^{PDR-655}

PDR8000[®] Issues Fixed:

- Added Missing Channel Offset/Deviation choice for NPSPAC ^{PDR-705}
- Fan control got disabled when older DPD template file was loaded in PDR as default user ^{PDR-583}
- File History was not being updated in FRC ^{PDR-781}
- Default values not being set for Frequency Set 3 ^{PDR-754}
- Clarified meaning of Backlight Timeout field for PDR display ^{PDR-773}

PDR8000[®] Known Issues: N/A

Futurecom Repeater Configurator (FRC) Release Notes – August 2022

FRC Software (6A083X06): New Version:1.31 Old Version: 1.30

FRC 1.31 contains three main components to service all hardware programming needs

1. Configurator for VR (DVR-LX[®], DVR, VRX1000), ver. 1.31
2. Configurator for PDR8000[®], ver. 1.31
3. Flash Downloader Utility, ver. 2.00

This release of FRC is **backwards compatible with all APX and PDR repeater firmware versions**. It supports reading and writing to all previously configured devices.

VR Release

To access new features/enhancements/improvements listed below, the repeater must be using applicable firmware version as identified in Compatibility Chart located on the Futurecom Website in the Support Portal: Home → Support → Documentation and Software

VR New Features / Enhancements:

- DCD Improvements: DCDs, Offline Template Editing^{DVR-1015}
- Update FRC pull down menu to reference Compatibility Chart^{DVR-1437}
- Add FRC support for Power Limit in Rackmount DVR w Power Booster^{DVR-1476}
- Added serial number restrictions to DCDs applied via FRC^{DVR-1437}
- Changed Temperature Alarm Default to 70 in FRC^{DVR-1794}
- Added warning when loading DCD created from different model repeater^{DVR-1855}
- Changed default VR ID value to 0 (zero)^{DVR-1579}
- Improve handling of template created from incompatible repeater^{DVR-1857}

VR Issues Fixed:

- When configuration with Speed in km/h & Distance in m, FRC may reports error in EEPROM maintenance icon when saving the configuration^{DVR-1443}
- Corrected Busy Lock. Thresh. min/default values in RSSI Setup window for 800MHz band DVR/DVR-LX^{DVR-1679, DVR-1485}
- Analog steering violates channel restrictions and rules of precedence^{DVR-401}
- Fixed truncation of text in the FRC Primary Secondary Setup window^{DVR-1609}
- Removed unexpected values in DPD file for RF/Analog Setup screen^{DVR-879}
- Applying wrong frequency band DCD file using FRC changes Hardware Part Number^{DVR-1848}
- FRC does not prevent writing incorrect GPS driven deactivation configuration to DVR^{DVR-1388}
- VR Ch. List and MSU TG Names not loaded properly when overwriting with DCD^{DVR-1621}
- User Info screen licenses are being changed after applying a DCD with no bundled licenses via RM-OTAP^{DVR-1614}

VR Field Names Updates

- "VRS-EP Compatible Mode Enabled" changed to "VRS-EP Compatible Mode" ^{DVR-1872}
- "Rep. Ch. Steering Enable" changed to "Rep. Ch. Steering" ^{DVR-1872}
- "Rep. Ch. Steering Revert Enable" changed to "Rep. Ch. Steering Revert" ^{DVR-1872}
- "Rep. Ch. UID Translation Enable" changed to "Rep. Ch. UID Translation" ^{DVR-1872}
- "Inband Calls Enable" changed to "Inband Calls" ^{DVR-1872}
- "Fallback in Analog Simplex Mode Enable" changed to "Fallback in Analog Simplex Mode" ^{DVR-1872}
- "Local to System Call Upgrade Enable" changed to "Local to System Call Upgrade" ^{DVR-1872}
- "VR Emergency Echo Ack Enable" changed to "VR Emergency Echo Ack" ^{DVR-1872}
- "TG1 Translation Enable" changed to "TG1 Translation" ^{DVR-1872}
- "Adaptive Power Control Enable" changed to "Adaptive Power Control" ^{DVR-1872}
- "Block TG Proxy" changed to "Enforce TG Matching" ^{DVR-1606}

VR Field Names Removed

- "MBX2 Compatibility" removed ^{DVR-1606}
- "ID" removed ^{DVR-1606}
- "Mstr Bit Clr Time" removed ^{DVR-1606}
- "Channel-0 Base Frequency" removed ^{DVR-1817}
- "Close Socket Connection" removed ^{DVR-1881}
- "Repair Socket Connection" removed ^{DVR-1881}
- "Rx Mobile Gain" removed ^{DVR-1569}
- "Mobile FM Deviation" removed ^{DVR-1569}
- "Mobile Microphone Gain" removed ^{DVR-1569}
- "Temp" removed ^{DVR-1458}
- "PA_t" removed ^{DVR-1458}

VR Known Issues/Limitations: N/A

PDR Release 5.01

Product Tested:

Repeater Module Firmware:	4C088X01 R5.01
Repeater Module Boot Firmware:	4C088X02 R5.00
Transceiver DSP:	4C083X03 R1.18
Baseband DSP:	4C083X04 R1.54
IF Module Firmware:	4C088X05 R5.00
IF Module Boot Firmware:	4C088X06 R5.00

Futurecom Repeater Configurator (FRC) Release Notes – May 2022

FRC Software (6A083X06): New Version:1.30 Old Version: 1.29

FRC 1.30 contains three main components to service all hardware programming needs

1. Configurator for VR (DVR-LX®, DVR, VRX1000), ver. 1.30
2. Configurator for PDR8000®, ver. 1.30
3. Flash Downloader Utility, ver. 2.00

This release of FRC is **backwards compatible with all APX repeater and PDR firmware versions**. It supports reading and writing to all previously configured devices.

VR Release

To access new features/enhancements/improvements listed below, the repeater must be using applicable firmware version as identified in Compatibility Chart located on the Futurecom Website in the Support Portal: Home → Support → Documentation and Software

VR New Features / Enhancements:

- NAC Linking Compatibility option shown when detecting firmware version 1.73 or later.^{DVR-1515}
- Eliminated incorrect warning message when loading DPD/DCDs created from a sibling DVR/DVR-LX, allowing user to move easily between DVR and DVR-LX units^{DVR-1398}

VR Issues Fixed

- FRC now warns user of mismatched licensing options^{DVR-1053, DVR-1298}
- PDR - Error shown when loading previously saved DPD file^{PDR-686}
- Offline editing DCD file does not allow creation of new Repeater Channel (issue since FRC 1.27)^{DVR-1372}

VR Field Names Updates

- FRC "Save DCD File" menu option changed from Attach to Bundle^{DVR-1489}
- Removed "Use MSU Emergency ID" on FRC Emergency Setup Window^{DVR-1460}
- "Morse Code" Sub-folder is called "Station ID Setup" in the window FRC^{DVR-1389}
- AVRA, Primary/Secondary Preference input name replaces AVRA/Primary/Secondary Preference^{DVR-1399}

VR Known Issues/Limitations: N/A

PDR8000[®] Release 5.00

Product Tested:

Repeater Module Firmware:	4C088X01 R5.00
Repeater Module Boot Firmware:	4C088X02 R5.00
Transceiver DSP:	4C083X03 R1.18
Baseband DSP:	4C083X04 R1.54
IF Module Firmware:	4C088X07 R5.00
IF Module Boot Firmware:	4C088X08 R5.00

Tested With:

PSU Type: APX7000
PSU Firmware: D15.71.55
Modems: Motorola UDS V.3225, Raymar-Telenetics V3600
GCM 8000 Comparator: CvCM_R07.17.005
Digital Conventional Gateway: DCG 9000
MLC AGU: R060027