



TELEX[®]

RADIO DISPATCH PRODUCTS

Radio Dispatch Engineering Group

IP-223 Release Version 4.500 Engineering Release Notes

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Revision History

Revision	Date	Author	Description
A	08/07/09	Radio Dispatch Engineering Group	Updated IP-223 Version 4.200
B	09/11/09	Radio Dispatch Engineering Group	Updated IP-223 Version 4.300
C	12/04/09	Radio Dispatch Engineering Group	Updated IP-223 Version 4.400
D	10/22/10	Radio Dispatch Engineering Group	Updated IP-223 Version 4.500

Overview

This is the release notes for the IP223's firmware version 4.500. The release contains new features, improved features, and fixed issues. The release notes include all of the changes and fixes since official release Version 4.400. Please refer to the manual of IP223 on how to upgrade the new firmware for IP223 device.

NOTE: Please note that Telex FTP Application is no longer used for system upgrades. The Telex Firmware Binary (tfb) is the new firmware format instead of the bin file. Users will need to use Telex System Manager Application to save, clone parameters, and upgrade firmware.

New Features

Version 4.500

EFJ

- Added P25 Trunking/SmartZone-SmartNet support.
- Added Talkaround functionality.
 - The Radio Button F3 must be programmed for Talkaround.
- Added support for the updated EFJ serial protocol.
 - Requires EFJ controller version 6.12.11 or later.

Kenwood

- Added Kenwood NEXEDGE Encryption on/off serial control.

Miscellaneous

- Added Serial Over IP functionality.
- Added the ability to disable FTP, Telnet, or Web servers via the serial interface.
- Added the ability to enable RCP DTMF Decode for a single line via CRP Setup->Remote Setup->RCP DTMF Decode.
- Added the ability to disable Monitor functionality via Per Line Setup->Options->Monitor.
- Added the ability to disable Frequency Updates with every PTT via Per Line Setup->Options->Freq Update w/PTT.
- Added the ability to prevent Digital Output changes on specified function tones. To prevent the change enter 128 into the Per Line Setup->Function Tone Setup->Digital Output.

Feature improvements and known issues fixed in this release

Version 4.500

EFJ

- Fixed an issue where the ANI wasn't decoding correctly.
- Fixed an issue if a Kenwood radio was connected to the opposite line and had scan list enabled, the IP-223 wouldn't take control of the EFJ radio.

Kenwood

- Fixed an issue while a Kenwood radio was scanning, the scan couldn't be turned off during co-channel interference.
- Improved the reliability to Add/Delete channels from the Scan list.
- Improved the reliability to turn Scan On/Off.
- Fixed an issue if Fleetsync decode was enabled; Encryption On/Off and Talk Around On/Off didn't work.
- Fixed an issue where the IP223 wasn't decoding the x80 the serial ANI information.
- Changed MDC decode to incorporate Kenwood MDC Emergency Sequence.
- Changed the text in the Per Line Setup->Serial Port Mode->Serial Port Mode from Fleetsync to Kenwood.

Miscellaneous

- Enabled all 100 function tones by default in Local Mode.
- Fixed an issue where the IP-223 could be on the wrong function tone. This occurred when changing function tones quickly before or after a PTT.
- Fixed an issue where an IP-223 in console mode would cause a double function tone to be played on the corresponding IP-223 in Tone Mode.
- Updated the copyright to 2010.
- Allow DTMF *, #, A, B, C, and D to be entered in Crosspatch and Crosspatch Pin Fields.
- Allow DTMF *, #, A, B, C, and D to be entered in Per Line Setup RP251 and COR Click Dial Fields.
- Allow DTMF #, and * to be entered as a Group Digit in the Per Line Setup->Signaling Setup.
- Fixed an issue if Line 1 was disabled via the Per Line Setup, the TDI wouldn't work on Line 2.

Known issues in this release***EFJ (Updated Protocol)***

- False ANI messages when using monitor in digital conventional mode. This is an EFJ issue that will be fixed in the later EFJ official firmware. Users can contact EFJ technical support for beta firmware release.
- No MDC-1200 ANI support. This is an EFJ issue that will be fixed in the later EFJ official firmware. Users can contact EFJ technical support for beta firmware release.

Setup Instructions***EFJ (Updated Protocol)***

- In order to enable and receive ANI messages the radio must be powered on and connected to the IP-223 upon IP-223 power-on/reset.

Installation and Upgrade

Please use Telex System Manager v1.100 or newer to upgrade the firmware. The TSM software can be downloaded from [TSM Firmware v1100](#). When upgrading from Version 4.000 or newer your settings will be retained.