



TELEX[®]

RADIO DISPATCH PRODUCTS

Radio Dispatch Engineering Group

IP-223 BETA Release Version 4.505 Engineering Release Notes

Notice:

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Revision E

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Revision History

Revision	Date	Author	Description
Initial	10/22/10	Radio Dispatch Engineering Group	Official 4.500 Release
A	01/19/12	Radio Dispatch Engineering Group	Updated IP-223 Version 4.501
B	03/07/12	Radio Dispatch Engineering Group	Updated IP-223 Version 4.502
C	05/18/12	Radio Dispatch Engineering Group	Updated IP-223 Version 4.503
D	02/22/13	Radio Dispatch Engineering Group	Updated IP-223 Version 4.504
E	10/04/13	Radio Dispatch Engineering Group	Updated IP-223 Version 4.505

Overview

This document contains the release notes for the IP-223's firmware version 4.505. The release notes include all of the changes and fixes since official release version 4.500. Cross application compatibilities are outlined in this document.

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.

NOTE: To configure IP-223 v4.505 parameters Telex System Manager version 1.501+ needs to be used otherwise the IP-223's webpages must be used.

New Features

Version 4.501

- Added the ability to serially send P25 Radio Enable/Disable to the Kenwood TK-5x10.

Version 4.502

- NA

Version 4.503

- Added the ability to serially send Scan Add/Delete to the Kenwood NEXEDGE.

Version 4.504

- Added the ability to serially send Scan Add/Delete to the Kenwood TK-5x10.
- Added Kenwood TK-5x10 and Kenwood NEXEDGE scan list capabilities.

Version 4.505

- Added serial control for the PowerTrunk (Teltronic) MDT-400 TETRA radio. To enable it, a Fleetsync Encode/Decode Access Key needs to be entered in the Additional Feature webpage, set the Multicast Address Setup->Line Type to Tetra Radio, and then set the Per Line Setup->Serial Port Mode->Serial Port Mode to PowerTrunk.
- Added serial control for Kenwood x180 Encryption On/Off and Talkaround On/Off.
- Added serial control for Kenwood Selcall, Individual Call, or Group Call for x80, x150, x180, 5x10 Fleetsync, 5x10 P25, NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Buttons: Radio SelCall, PTT-Private Call, PTT-Group Call). Please see compatibility section below.
- Added serial control for Kenwood Revive or Radio Enable for x80, x150, x180, 5x10 Fleetsync, 5x10 P25, NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Button: Radio Enable) Please see compatibility section below.
- Added serial control for Kenwood Stun or Radio Disable for x80, x150, x180, 5x10 Fleetsync, 5x10 P25, NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Button: Radio Disable) Please see compatibility section below.

- Added serial control for Kenwood Send Status for x80, x150, x180, 5x10 Fleetsync, NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Button: Radio Status) Please see compatibility section below.
- Added serial control for Kenwood Status Request for x80, x150, x180, 5x10 Fleetsync, NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Button: Radio Status Request) Please see compatibility section below.
- Added serial control for Kenwood Remote Monitor for 5x10 P25 (Trunking), NEXEDGE Fleetsync, NEXEDGE NXDN radios. (C-Soft Button: Remote Monitor) Please see compatibility section below. The remote transmit duration is fixed for 30 seconds in C-Soft.
- Added Per Line Setup->PTT Setup->Selcall Min. PTT webpage parameter. This parameter is used to program the minimum PTT time in msec that Kenwood serially controlled radios will key up after receiving a Selcall, Individual Call, or Group Call from IP Consoles.

Feature improvements and known issues fixed in this release

Version 4.501

- Increased the size of the Serial-Over IP outbound UDP buffer.
- Updated the copyright to 2012.

Version 4.502

- Made improvements to the Fleetsync and MDC-1200 decoder.
- Fixed an issue where TSM would overwrite Webpage, FTP, and Telnet disable/enable features.

Version 4.503

- Fixed EFJ serial emergency decode for MDC-1200, SmartNet, SmartZone, and P25 Trunking.
- Fixed MDC-1200 Call Alert and Select Call Encode for Radio 2.
- Fixed Kenwood NEXEDGE frequency updates to C-Soft while scanning.
- Basic Ethernet Setup -> Local Console IP Address table now works in Local, Tone, and Console Modes. Local Console IP Addresses allows for Ethernet crossmuting of transmit audio.

Version 4.504

- Fixed an issue where an iDEN radio during group calls could get into a state that it would send out a constant busy tone.
- Changed the serial command for checking the encryption state on the Kenwood TK-5x10. This could cause Encryption On/Off not to work.
- Fixed an issue where a Kenwood NEXEDGE on a NXDN channel would send out ANI updates on the beginning of transmit and the end of transmit. This would cause 2 entries in C-Soft's Per Line Call History window.
- Updated the copyright to 2013.

Version 4.505

- Fixed an issue where TETRA Status 0 wasn't being decoded as an Emergency.
- Fixed an issue where the Sepura radio serial control was storing 9 digits for the ANI instead of 8 digits. This didn't create an issue with the IP consoles.
- Fixed an issue if the TETRA system was down the Sepura radio wouldn't change channels. A 10 second channel change timeout was added so the radio can be changed to a DMO channel.
- Fixed an issue where DTMF detection for manual dialing needed to be prevented during a TETRA radio PTT.
- Fixed an issue where Group IDs weren't always being sent to IP Consoles for Kenwood serial controlled radios.

- Fixed an issue where the channel on the display of Kenwood x80, x150, x180, 5x10, and NEXEDGE radios could be different than the IP Console's channel. Now, a serial channel change command is sent every time scan is turned OFF to sync up the IP Console's channel and the radio's channel, and a serial request channel command is sent every time scan is turned ON to sync up the IP Console's channel and the radio's channel.
- Added sending multicast updates to IP Consoles for the Encryption and Talk Around states when toggling Scan On/Off for Kenwood x180, 5x10, and NEXEDGE radios.
- Fixed an issue where Kenwood serial text messages were causing invalid status messages to be sent to IP Consoles.
- Fixed an issue where "Scan List..." wasn't being shown on the display for Kenwood 5x10 and NEXEDGE radios.
- Fixed an issue when Kenwood scan list was enabled, "TX F1" was being shown on the display during transmit no matter what function tone was active.
- Fixed an issue where serially controlled Kenwood x90 radios wouldn't do channel changes since IP-223 version 4.008.
- Fixed an issue where Fleetsync decode of text messages wasn't always being sent correctly to C-Soft.
- Changed the front panel display to print the last 7 digits of the ANI instead of the first 7.
- Fixed a formatting issue with the Frequency Tone table on the Tone Freq & Durations webpage.
- Allowed the Per Line Setup->Monitor Relay->Timed parameter to have values from 0 to 32000ms.

Compatibility

C-Soft

- Version 6.251+ - Necessary for new Kenwood Serial controlled features.

Telex System Manager

- Version 1.501+ - Necessary for programming parameters.
- Version 1.100+ - Necessary for firmware upgrades.

Installation and Upgrade

Please use Telex System Manager version 1.100 or newer to upgrade the firmware. When upgrading from Version 4.000 or newer settings will be retained. Please refer to the IP-223 manual for information on how to upgrade the new firmware.

NOTE: To configure IP-223 v4.505 parameters Telex System Manager version 1.501+ needs to be used otherwise the IP-223's webpages must be used.