



TELEX[®]

RADIO DISPATCH PRODUCTS

Radio Dispatch Engineering Group

C-Soft Release Version 4.100 Engineering Release Notes

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August 1, 2008 – Revision A

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1. Revision History

Revision	Date	Author	Description
A	08/01/2008	Radio Dispatch Engineering Group	Initial draft C-Soft Version 4.100

2. Overview

This is the release notes for C-Soft Release Version 4.100 firmware/software. This release contains new features, improved features, and fixed issues. The release notes include all of the changes and fixes since official release Version 4.000.

3. New Features

Version 4.100

- Appearance
 - o Windows XP GUI Style – C-Soft windows and controls (i.e. buttons, check boxes, edit boxes, etc.) are drawn using the Windows XP style format if the Windows XP Theme has been selected in Windows' Display Properties menu.
- Buttons
 - o FleetSync Button – Allows users to send Statuses, Select Calls, Text Messages, and Request for Statuses to radios which support the Kenwood FleetSync protocol. Also displays received FleetSync messages.
 - o Knox Digit Button – Sends the Knox tone which corresponds to the selected digit.
 - o Launch Application Button – Opens and executes user defined .exe files.
 - o SIP Call Control Button – Allows users to send and receive SIP phone calls.
 - o Text Button – Displays text or serves as colored space filler. Added to replace buttons on .veg files with no assigned function.
- Button Controls in Designer
 - o Button Movement - Arrow keys will move buttons, volume sliders, popup windows, and text UI Elements in Designer.
 - o Button Resizing - Ctrl + Arrows keys can resize buttons, volume sliders, popup windows, and text UI Elements in Designer.
 - o Button Selection – Ctrl + A will select all UI Elements in design not located in a popup window.
 - o Shortcut Menus – Shift + Left Mouse Click will display shortcut menus.
- Designer Menus
 - o Edit System menu – Allows users to create up to 200 FleetSync Systems. FleetSync Systems contain filters, statuses, fleets, and users.
 - o Edit Filters menu – Allows users to create up to 30 individual filters. Groups and Users can be affiliated with these filters in the Edit User ID and Edit Group Id windows. Filters can be used to create custom groupings in the Call List and FleetSync windows.
 - o Setup SIP Phone – Contains SIP Phone server configuration and audio settings.
 - o Setup Tone Levels menu - Allows volume level to be adjusted for:
 - Page Beeps
 - Phone Rings
 - Emergency Tones
 - Input Beeps
 - Nextel Beeps
 - Group Call Tones
 - Select Call Tones
 - Sidetones
- Global Parameter Options
 - o Always Stack Pages – Determines whether all pages should be stacked before being sent. When the option is enabled, pages are sent only when the Page Send button is pressed.

- o Auto Phone Hold Option – Places offhook phones on lines whenever the console transmits.
 - o Clear ANI on PTT Option – Clears the ANI displayed on a Select button whenever the console transmits.
 - o Crosspatch Timeout – The duration crosspatches created by a parallel console are visible on the local console. In previous C-Soft versions, the Supervisor Timeout field controlled this duration.
 - o Disable Spacebar PTT – Prevents Main PTT button from being keyed-up with spacebar key.
 - o Enable Rx Multicast Loopback – Allows for C-Soft Runtime to receive Rx multicast that is sent out on the same PC that C-Soft is running. This is to allow another application running on the same PC as C-Soft to send Rx Multicast packets to C-Soft.
 - o FleetSync System List – The filename of the system list C-Soft Runtime should use to populate the FleetSync dispatch window.
 - o Keyboard Dual-Tone Format – Lets users specify if number keys on keyboard will send DTMF or Knox tones.
 - o Logo Bitmap Filename Open File button – Opens Windows Explorer window to search and browse for logo bitmap file.
 - o Recording Vocoder Type – Ability to select the ADPCM 16 KB/s encoder and decoder for Select, Unselect, and Microphone Recorder outputs.
 - o Save Runtime State on Close – Option to save C-Soft Runtime settings in cposi.txt when Runtime is closed.
 - o Supervisor Password – Removed from Supervisor button properties and placed in Global Parameters. Now accepts up to 16 alpha-numeric characters.
 - o TCP/IP Timeout – User configurable field sets the timeout duration for TCP/IP connections.
- Group and User ID List
 - o Filters – Used to affiliate a group or user to a filter(s). The available filters are populated using the filters created in the Edit Filters menu.
 - o Group and User ID Types – Assigns each ID a type: Generic, iDen, Phone or FleetSync. These types are used to populate the Call List and FleetSync windows.
 - o TX Inhibit – Indicates the user alias is displayed when received, but not displayed in the Call List or FleetSync windows.
- Knox Tone Support
 - o Knox Pages and Autodial – Added a Knox page format. Also added option to Autodial button where user can select between DTMF or Knox tone standards.
- Per Line Setup Menu
 - o Per Line Vocoder Type - Ability to select lower bandwidth ADPCM 16 KB/s encoder and decoder
 - o Save To File and Load From File buttons in Frequency Setup Window – The Frequency Setup page can be populated with data from a .csv file using the Load From File button. Frequency data can be saved to a .csv file using the Save To File button.
- Remember Runtime State
 - o Global Status and Last Caller – Saves the Global Status and last caller id on each line, so the Status and last caller are restored when C-Soft Runtime is re-opened.
 - o Popup Window Size and Location – Stores the size and location of popup windows so windows are restored to the same location and size when C-Soft Runtime is re-opened.
- Status ID List
 - o Password Protected Statuses – If selected, users will be prompted for the Supervisor password before the status is selected in the Status List window.

4. Improved Features and Fixed IssuesVersion 4.100

- Designer
 - o Backup IP Ports – Allowed range is now 0 to 65535.
 - o Backup IP Setup Window – Name changed to Options window.
 - o Button Initialization – Crosspatch programmed, Mute Group, and Group Group were overwriting the Auto Start and Patch Number settings.
 - o Button Labels – Removed Play and Stop button label fields in Global Call Parameters.
 - o Button Font – Buttons did not have a default font and the Bold font style was always selected when the font window was opened.
 - o Design Error Checks:
 - Check all Page buttons are using valid Page Formats.
 - Check all buttons have an assigned function.
 - Check to prevent a Group Select and Group Limited Select button being in same .veg file.
 - Check for a Main PTT button in .veg file when a Page or Manual Page button is present.
 - o Designer Error List box – When the displayed error text is longer than the width of the list box, the horizontal scrollbar on the list box will now become enabled.
 - o Enable Residue ANI – Renamed Enable Residual ANI to be consistent with hardware console products.
 - o Global Parameters Setup Windows – Rearranged into categorical tabs.
 - o Loading From File Error Handling – Improved error handling when an empty or non-existent .cvs file is loaded in the Group ID, Unit ID, Status ID, or Frequency Setup windows.
 - o Manual Page Setup – Properly stores frequencies to a tenth of a hertz.
 - o Paging Initial Delay – Increased the maximum allowed initial delay to 9999 ms for 2 Tone 100 and 2 Tone 1000 paging.
 - o Product Branding – Replaced Vega references with Telex.
 - o Setup Per Line Parameters Line Type – Removed “Not Used” as a line type option and renamed Vega line type “Telex”.
 - o Setup Per Line Parameters Page Width – Reduced width of Per Line Parameters Page in Designer by moving Vocoder Type, TxMon Enable, and Scannable fields to Options window.
 - o Signal Setup Window – Rearranged into categorical tabs and moved Display All Calls option from Global Call Parameters window to this window.
 - o Signaling Setup AutoFill – Added Starting Line Number and Ending Line Number fields.
 - o System Type – Added to Signal Setup window so Telex line type can sub-categorized.
 - o User List ANI – User List now supports 32 character user IDs (ANIs).
- Runtime
 - o Auto Ack Type – Single Tone Auto Ack worked only if the Auto Ack Format field contained characters.
 - o Call List and Status List Windows – Improved list sorting algorithm.
 - o Crosspatch Updates – The “XPatch” icons on parallel consoles are now cleared when the console that originated the patch is closed.
 - o Decode Inbound Multicast – Inbound multicast is now decoded based on the incoming packet instead of the Vocoder Type that is selected in the Per Line Parameters.
 - o Disabled Frequency Buttons – Frequency buttons would not grey out if the frequency was disabled.
 - o DTMF Keys – Keyboard number keys can be used to press DTMF or Knox Digit buttons.
 - o Emergency Button Flashing – Select buttons with a red background will now flash when an emergency is declared on that line.
 - o Frequency Buttons in Pair Mode – Frequency buttons in pair mode were sometimes being sent during Main PTT.

- o Global Call History and Webpage Button Issue - Global Call History and Webpage Buttons become unresponsive after deleting other buttons.
- o Global Call History Window – The window is now moveable and resizable. A button to play audio was also added.
- o Group Select – Select button state was being saved on crosspatch lines.
- o Input Indication Beep Time – Input Indication button would not beep for more than 15 seconds.
- o Marker Tones – Marker Tones are no longer sent if incoming or outgoing audio is present on the line and do not key up all selected lines.
- o Multiple Line RX Block on Parallel Consoles – RX Block wouldn't release all Muted lines on parallel consoles if two different lines were keyed up faster than the RX Block Delay.
- o Paging – Stacked Pages now go out in the order the page buttons were pressed.
- o Patching Onhook Phone Line – An error message is now displayed in the Runtime status bar when an onhook phone line is patched
- o Per Line Call History Save to File – The call entries displayed in the Per Line Call History window can be saved to a .csv file.
- o Phones in Crosspatch – Phone lines can no longer go onhook while in an active crosspatch.
- o Phones in Programmed Crosspatch – A phone line can now be placed into a crosspatch using a programmed crosspatch button.
- o Popup Issue – Nested popup windows would not close when the parent was closed.
- o Product Branding – Replaced Vega references with Telex.
- o RX Block Unmutes Lines on Parallel Consoles – C-Soft would unmute lines in RX Block if a parallel console dekeys and then re-keys within the RX Block Delay.
- o Spacebar Key in Web Pages – Spacebar does not cause PTT when typing in web pages.
- o Spacebar PTT and Windows – The Spacebar PTT would be ignored if the Active Emergency, Call List, Emergency History, Manual Call List, Status List, or Per Line Call History windows were active.
- o Stacked Page Order on Multiple Lines – The order stacked pages were being sent out was being determined by the line number the page was sent on.
- o Supervisor on Parallel Consoles – Selected lines were being stuck in Supervisor mode on parallel consoles.
- o Tab Key in Web Pages – Tab key now works in web pages.
- o Volume Settings – The volume setting on un-muted lines with no volume controls are now set to the default volume level.
- o VU Meter on Initial Boot-up – The VU meter and status bar display and function properly when Runtime is ran without a cposi.txt file being present.
- o Window Resizing – Resizing Active Emergency, Emergency History, and Per Line Call History too small could cause C-Soft to freeze.
- o Window Closing – Hitting the Escape key caused the Active Emergency, Call List, Emergency History, Manual Call List, Status List, and Per Line Call History windows to close.

5. Compatibility

Version 4.100

- NA

6. Installation and Upgrade

Version 4.100

- To upgrade C-Soft replace C-Soft Runtime and C-Soft Designer .exe files:
 - o Backup the previous C-Soft design by copying and renaming the .veg file
 - o Open and save the previous C-Soft designs in C-Soft Designer 4.100 to upgrade them.
 - o Any existing cposi.txt file created by a previous version of C-Soft Runtime will need to be deleted before C-Soft Runtime can be executed.