TELEX
Radio Dispatch

Radio Dispatch Engineering Group

C-Soft Version 8.100
Engineering Release Notes

Notice:

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1. Overview

This is the release notes for C-Soft Version 8.100 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 8.000.

2. Important

- **A C-Soft 8 license or C-Soft 8 upgrade license is required for C-Soft Runtime v8.100 operation. Please contact Telex Dispatch sales team to acquire C-Soft 8 Entitlement Certificates.**
- **After IP-3000 series console has been upgraded to version 8.100 or newer, the firmware cannot be reverted to any previous version (7.700 or earlier). Any attempt to downgrade the firmware version via TSM will be refused.**

3. New Features

Version 8.100
- N/A

    -
4. Improved Features and Fixed Issues

Version 8.100
- C-Soft Runtime
    - Licensing
        - Fixed issue where if all lines were disabled due to a multicast bind error, C-Soft no longer incorrectly shows the license error window.

    - Network Interface
        - Improved network adapter bind logic, now only uses the Primary Network Adapter setting as configured in either Console Configuration Tool or Telex System Manager if multiple adapters are present on the system, and the specified adapter actually exists. If only one network adapter is present, C-oft uses it.
        - Fixed issue in which "Network not connected" error message would incorrectly display as a result of the Primary Network Adapter setting not actually matching the bound adapter.

    - General
        - Added mechanism to avoid unnecessary writes to ClientSettings.xml when nothing changes. This change was made to avoid possibility of file corruption due to concurrent writes.

- IP-30XX Boot
    - On boot, the device no longer indicates error while waiting for Console Administrator Service to start.

- IP-30XX Stability
    - Fixed problem with Console Administrator Service failing to boot due to a corrupted ClientSettings.xml file, resulting in soft bricking the device until a C-Soft installer is manually

ran on the device. CAS is now much more resilient, and will recover utilizing default settings. Now if file corruption occurs, the recovery process is much easier: simply reconfigure the device's CMS settings, or write a TDA to the device to recover it to a working state.

- IP-30XX TRI Installation
    - Fixed critical problem with C-Soft 8.000 installer failure resulting in removal of Console Administrator Service, effectively soft bricking the device until a C-Soft installer is manually ran on the device
    - Added logic to only allow TRI installations if the new version is newer than the installed version. It is also required to use TSM 3.200 or newer to apply the firmware update.

5. Known Issues

Version 8.100

- API
    - Page Queuing will not respect talk time of page that is currently being sent. If using talk time do not send a page during its execution. Wait until the current page is finished (including talk time).
    - Stacked pages can only be sent on a single frequency. If multiple frequencies are stacked together C-Soft will send all pages on the first page's frequency.

- DMR
    - Radio Disable on a Tait Tier III trunking system responds with a "404 Not Found", but the target device is still successfully disabled.
    - Node failover is not supported for Tait Tier III trunking system.
    - GPS Trigger On/Off is not supported on Hytera Conventional.

- Per-Line Recording on a SIP line will not record all participants during Consultant Transfers, Three-Way Calls, or Line Conferences.

- NEXEDGE Direct IP – Trunking: C-Soft Runtime will not operate on Kenwood's NEXEDGE Generation 2 server. Kenwood has released the new firmware to address this issue but no validation from customer if the issue has been resolved.

- NEXEDGE Direct IP – Conventional: For Kenwood NXR-x10-K2 Firmware Version 3.13.00, RAN Encode values 10 – 63 will currently not work on the IP connection between C-Soft Console and Kenwood Conventional system. Only RAN values of 0-9 will work. Kenwood has been informed of the issue and we are awaiting a resolution.

- Sending Call Alerts using MDC-1200 signaling will generate a "No Response" entry in the Call History windows and in the MDC-1200 window if using an IP-223 or a version of IP-224 firmware prior to v2.000.

- When using the MTRBi interface, C-Soft can only receive a text message from a MOTORBO radio when a text message is sent from C-Soft and the remote radio is replying to that text message.

- If multiple emergencies are active on a single MOTORBO line, acknowledging one of the emergencies will incorrectly stop the emergency indication actions (i.e. Select button blinking) on parallel consoles.

- Telex Enhanced ANI Callback
    - When using InPTT and MainPTT with callback support, the Main PTT and InPTT will PTT the callback ID even when a new ID is selected or inputted in the keypad. Use the group PTT and private PTT to call the newly selected/inputted ID.
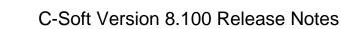
6. Compatibility
Version 8.100

C-Soft v8.100 is compatible with the following Telex software/firmware:

- **Console Service and Utility Software**
    - Console Administrator Service (CAS) Version 2.100
    - Console Administrator Software Version 2.000
    - Console Configuration Tool Version 1.000
    - Console Management System Version 1.000
    - Telex License Server Version 1.700
    - Telex System Manager Version 3.200

- **ADHB-4**
    - ADHB-4 Version 3.600
    - ADHB-4 Gen 2 Version 1.100

- **IP-224**
    - IP-224 Version 3.000

- **Not compatible** with Flexera Entitlement Certificate C-Soft 7 line or upgrade licenses. A Flexera Entitlement Certificate C-Soft 8 line license or C-Soft 8 upgrade license is required for C-Soft Runtime v8.000 operation. Please contact Telex Technical Support to acquire C-Soft 8 Entitlement Certificates.

- **Not compatible** with the Sentinel/SafeNet/Rainbow keys (USB or Serial). A Flexera Entitlement Certificate (software license) is now required for C-Soft Runtime operation. Please contact Telex Technical Support to acquire C-Soft 8 Entitlement Certificates

7. Installation and Upgrade
Version 8.100

- To install C-Soft on Windows 8, and Windows 10:
    - Double click on the C-Soft_Setup_vXXXX setup executable.
    - Follow the steps provided on the screen to install C-Soft.
    - During installation, the user will be prompted to install C-Soft Designer. Follow the instructions on the screen to install C-Soft Designer.
    - During the C-Soft installation, the user will be prompted to install updated drivers for the ADHB-4. Follow the instructions on the screen to complete ADHB-4 Driver Installation. If up-to-date ADHB-4 Drivers have already been installed, this step can be skipped.

- During the C-Soft installation, the user will be prompted to install Telex License Server, which is required for obtaining and maintaining licenses for C-Soft.
  - The Telex License Server Installer may also install the prerequisite Microsoft Visual C++ 2012 Redistributable package if necessary. If Microsoft Visual C++ 2012 Redistributable is already present, this step can be skipped.
- As necessary, contact Telex Technical Support to acquire license Entitlement Certificates. Consult the C-Soft manual's appendix titled Telex License Activation Tool for more information on licensing requirements, activation processes, and architecture.

- To upgrade C-Soft:
  - Uninstall any previous of C-Soft using the Windows Uninstall Program feature under Control Panel
  - Locate the appropriate version of C-Soft installation package to install C-Soft

- To upgrade an IP-30XX:
  - In Telex System Manager 3.200 or later, select Tools | Firmware Update
  - Select C-Soft_Setup_vXXXX.tri
  - Select the desired target IP-30XX, and enter Username and Password as necessary.
  - Press "Write Firmware".

8. Revision History

Revision	Date	Author	Description
A	08/07/2009	Radio Dispatch Engineering Group	Initial draft C-Soft Version 4.200
B	09/11/2009	Radio Dispatch Engineering Group	Updated to C-Soft Version 4.300
C	03/31/2010	Radio Dispatch Engineering Group	Updated to C-Soft Version 5.000
D	06/24/2010	Radio Dispatch Engineering Group	Updated to C-Soft Version 5.100
E	07/16/2010	Radio Dispatch Engineering Group	Updated to C-Soft Version 5.200
F	10/22/2010	Radio Dispatch Engineering Group	Updated to C-Soft Version 5.300
G	05/26/2011	Radio Dispatch Engineering Group	Updated to C-Soft Version 5.400
08	06/08/2012	Radio Dispatch Engineering Group	Updated to C-Soft Version 6.000
09	07/26/2012	Radio Dispatch Engineering Group	Updated to C-Soft Version 6.100
10	12/06/2012	Radio Dispatch Engineering Group	Updated to C-Soft Version 6.200
11	08/20/2014	Radio Dispatch Engineering Group	Updated to C-Soft Version 6.500
12	02/20/2015	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.000
13	05/02/2016	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.100
14	05/26/2017	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.200
15	11/17/2017	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.300
16	09/28/2018	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.400
17	12/18/2018	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.500
18	12/20/2019	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.600
19	07/16/2021	Radio Dispatch Engineering Group	Updated to C-Soft Version 7.700
20	06/14/2022	Radio Dispatch Engineering Group	Updated to C-Soft Version 8.000
21	10/19/2022	Radio Dispatch Engineering Group	Updated to C-Soft Version 8.100