

Radio Control Programmer Software Revision History

Revision History

Version 3.1.10: (April 10, 2026)

- Added Flex Pro2 transmitter support.
- Fixed several outstanding items and made improvements.

Version 3.0.7 (General Availability): (Nov 20, 2019)

The following changes have been made in this release:

- Address issue with RF/CAN group parameter channels causing redraw of parameter property during property change.
- Fix issue when opening existing project, doesn't update the matrix with the saved relay names for the matrix.
- Reset warning flag after initial warning discovered. (Caused false positive warning messages to be displayed)
- RCS-2056 Disable mapping check box for flex M.
- RCS-2048 Channel mapping gets corrupt editing description field.
- Additional clean up, if channels get deleted when connected to Pout channel.
- RCS-1786/1788 Add JC6000 option to input config.
- Additional clean up and issue fixing for RCS-2035. Read-Only properties.
- RCS-2035 Enabled property state is not correct for some properties in the grids.
- Clean up matrix warnings for invalid input connections. The matrix channel is wired differently so other members need to be checked.
- Channel property grid not updated on selection of channel.
- RCS-1910 FDP buttons changing states unnecessarily.
- RCS-2002 Fix issue causing error dialog when pulling USB cable on FlexVUE.
- RCS-1968 Remove unused variable from source code.
- RCS-1995 MHR has different names depending on where you look.
- Fix issue found while testing RCS-1973, discovered an issue w/FlexVUE input config.
- RCS-1973 Input configuration display line max can be set to illegal values momentarily.
- RCS-2022 When moving controls in the workspace, sometimes the movement is out of sync compared to mouse movement.
- RCS-2013 Not all channels are selected when added to workspace when using library function.
- RCS-2009 Allow the user to select channels off workspace by panning workspace when selection rectangle is active.
- RCS-1964 Ignore scroll wheel when moving channels in the workspace.
- RCS-284 Muted colors for disabled channel buttons.
- RCS-1980 Disable "percent of" property when value type is set to constant for corresponding channels.
- RCS-1984 Fix Timer Expired state not disabled after clicking away from timer channel.
- RCS-1965 Add warning to compile text to warn of parameter out does have valid input connection.
- RCS-1965 Fix issue with RFCmdOut channel check for valid input warning.
- RCS-1967 Add channel type validation for device types when compiled.
- RCS-1909 Fix issue with "Compile" button being re-enabled after click of refresh button.
- RCS-964 Changed user interface for the relay label names in the matrix.
- RCS-1991 Changed RF Bit Config form to 1 based instead of 0 based.

- RCP-1990 Changed RF Bit config form name and icon from default values.
- RCS-1994 Device name on unit info grid consistency with receivers.
- RCS-2089 Fix issue causing fatal error when sending map to device.
- RCS-2095 Change message for unknown battery type to warning when sending to XLTX.
- RCS-2106 Address memory leak during New Project creation.
- RCS-2111 Reset to defaults dialog always Resets to defaults regardless of user input.

Version 3.0.6 (General Availability): (July 23, 2019)

The following changes have been made in this release:

- RCS-446 Add breadcrumb trail to user interface. Allows user to pick up where they left off when reopening project.
- Miscellaneous code clean up (making sure the files changed have curly braces with all if and else statements.)
- RCS-451 Fix issue when there's a selected channel and the user goes to the property grid and then clicks another channel.
- RCS-526 Scan the RCP project and see if there are any control characters in the strings associated with the device.
- RCS-584 Fix issue with the RF Bit Length property in the RF bit channel.
- RCS-681 Add support for Standard 3 speed 4-Motor crane type.
- RCS-845 Change text from "Send Program" to "Send" on the compile complete dialog.
- RCS-851 The default tab name will be a representation of the device type.
- RCS-852 Firmware and manual updater uses the zip file name define in the INI file located on the server.
- RCS-911 Add the "Start Factory Calibration" button to the unit info property grid.
- RCS-918 Validate the bit length and offset combination during compile for CAN Parameter and RF Digital bit channels.
- RCS-947 Validate the Unit Info before sending to the device.
- RCS-955 Set defaults for the CAN configuration settings.
- Warn user about device not supporting Application reads/writes and display dialog with appropriate message.
- RCS-958 Fix issue with CAN out/in RF in/out channels not removing the deleted connected channel from the input list.
- RCS-971 Make legacy built CHTX's look like they are MLTX's so they can be programmed via RCP.
- RCS-973 Reduce the font size of the feedback string entry header so that it's more in line with the size of the text entry row.
- RCS-987 Blink an error message on the programming page if multiple relays connected to same matrix output connection.
- Fix typo on the crane configuration grid.
- RCS-988 Fix issue with Inactivity Timeout, the property cannot be set back to zero after non-zero value entered.
- RCS-991 Make the product activation key field single textbox to paste key into.
- RCS-1029 Address the issue with the crane configuration invert functionality for select A/B mode.
- RCS-1100 Remove status PGNs enable/disable for the WIC-2402.
- RCS-1105 Dynamic view of what connections are available on the matrix for a relay.
- RCS-1108 Remove input config and feedback config tabs from Mini-PGT.

- RCS-1176 Don't reuse relay numbers when adding library function with matrix and relays.
- RCS-1463 Add popup message informing the user that the crane configuration data has changed and that the map needs regenerated before sending to the device.
- RCS-1471 Address issue with matrix channel not working properly when connecting relays.
- RCS-1487 Unexpected relay latching issue with reuse of project that was built from an older project.
- RCS-1489 Relay channels are not generated properly during Create Crane Config button causing an issue when reading back from the device.
- RCS-1504 Change the Inactivity Timeout to comboBox and have Disabled instead of 0 to disable timeout.
- RCS-1518 Fix issue with virtual dip #2 not being updated during read of device.
- RCS-1612 Address paint/draw issues when reading from the device.
- RCS-559/1052 Address issue with Channel set M doesn't read back from saved project correctly.
- Make sure project ID is greater than 0 before validating when received from device
- RCS-987 Connections between the matrix channel and relays are lost when added from the library function.
- RCS-1442 Random deleting of a matrix channel when attempting to delete other channels.
- Change Seconds to Minutes for Inactivity Timeout transmitters. (help description)
- Performance enhancements for Feedback controls.
- Change the background color of the transmitter tab controller.
- Added the new RCP logo on the about dialog.
- Changed the device tab font make it look not disabled if not selected.
- Matrix relay choice fix. Address issue when choosing how the relay channels are connected to the Matrix channel.
- Fix issue with property grid when viewing the crane config data. Group coding with multiple transmitters flicker issue.
- Fix issue with new project dialog.
- Add logic for no duplicate relays for library function 5
- Validate values for MM/DD/YY when initializing constructor.
- Address issue with bread crumb change, if opening project saved from older version of RCP.
- Updating/Refreshing issue with viewing CAN Configuration in the property grid.
- Property grid changes. Add the ability to disable a property programmatically. Changes to increase performance/redraw time when the object to display changes.
- Address issue with checking I/O limits of the device.
- Add change to handle additional channel sets in the Channel property of the unit info.
- Text clean up on various error message strings.
- Converted all standard windows dialog/popup control messages to a custom dialog.
- Address issue with ellipsis on the Feedback Configuration screen.

Version 3.0.5 (General Availability): (November 29, 2017)

The following changes have been made in this release:

- Default the "Inactivity Timeout" to "Enabled" for the inteleSmart2 crane configuration settings.
- Include version 7.0 of pre-engineered inteleSmart2 firmware to address check of framing error.
- Fix an issue with the activation key dialog.

Version 3.0.4 (General Availability): (October 9, 2017)

The following changes have been made in this release:

- Limit joysticks per transmitter device type
- Backlight Always On not saving to disk
- FlexVUE Input Configuration supported
- Send to rcp@magnetek.com instead of Hotmail address
- Only 7 motions for MLTX2 and CHTX
- CHTX as an MLTX2 for legacy CHTX firmware
- MHR IO configuration issue not being updated between Unit Info and Programming tab
- Cache the folders for Open Hex/ Save File/ Save As after first use
- Remove selection of terminating resistor for CAN-2 and WIC
- Time/Date always displayed in Unit Info
- Remove the little x on right side of project window.
- Save As doesn't work when opening a READ-ONLY file to start
- Virtual dips should not be part of mapping data when sent/received to/from
- Fix issue with RF command in channel check at start overriding the bit level check at start for RF bit in.
- CAN-2 Output labels highlight the incorrect pins on the diagram.
- RCP trial version defaults to customer level
- Slider bar control for the input configuration panels height

Version 3.0.3 (General Availability): (August 28, 2017)

The following changes have been made in this release:

- Add selection to the selection dialog to prevent incorrect data from being sent to or received from receivers.

Version 3.0.2 (General Availability): (August 09, 2017)

The following changes have been made in this release:

- Add ability to configure CHTX through RCP
- Ability to configure inputs for XLTX/MLTX2/PGT/MBT/CHTX (See manual for details)
- Ability configure feedback for XLTX/MLTX2/PGT/MBT/CHTX (See manual for details)
- Added feedback channel for receivers IS2 and CAN-2 (See manual for details)
- Various bug fixes

Version 2.5.5 (General Availability): (September 21, 2016)

The following changes have been made in this release:

- Fix issue when modifying data on the Unit Info page. (RCS-421)

Version 2.5.4 (General Availability): (May 25, 2016)

The following changes have been made in this release:

- Fix issue with device configuration data being overwritten. (Bug #900)

Version 2.5.3 (General Availability): (May 19, 2016)

The following changes have been made in this release:

- Move the FDP tab to the same level as the devices and accessible through the tools menu. (Task #838)

- Allow the IR Adapter to be used to read/write configuration to hazardous location transmitters. (Task #819)
- Update Date/Time selection default to Match PC. (Task #841)
- Add the ability to select the battery pack type for specific transmitters. (Task #840)
- Combine device types MHR/MHX in RCP. (Task #819)
- Enable the “Reset to Defaults” button for transmitters. (Bug #836)
- Fix issue with RF channel not being shown if unknown value from device is received. (Bug #842)
- Fix typo on FDP page. The word “until” spelled wrong. (Bug #854)
- Fix error when formatting message to send to device. (Bug #870)
- Fix issue with erratic channel movement with button clicks between workspace and property grid. (Bug #871)
- Address continued issue dealing with bug #665. (Bug #871)
- Remove the “None” option as a selection for the Rx Timeout property. (Bug #888)
- Clean up mapping compile message when ESTOP outputs are configured. (Bug #872)
- Fix error being flagged for too many channels linked together in the mapping workspace. (Bug #889)
- Limit the number of channels being sent to the device based on the memory available. (Bug #891)
- Fix issue with RF digital bit data not being correct when sent to the device. (Bug #893)
- Add a verify step after programming a hex file with FDP. (Task #849)
 - FDP fails to successfully verify programmed device flash, using certain hex files. (Bug #895)
- Add support for RCP to query during application launch if there are new manuals available and install if so. (Task #881)
- Add log rollover feature for the RCP log. (Task #896)
- Miscellaneous clean up and additional logging.

Version 2.4.5 (General Availability): (January 10, 2016)

The following changes have been made in this release:

- Issue #2892 Change the way FDP issues the data packets to the device.
- Issue #2894 Enable the “Reset to Defaults” button on the transmitter page when the device is connected.

Version 2.4.4 (General Availability): (November 05, 2015)

The following changes have been made in this release:

- Miscellaneous changes based on IS2 testing of pre-configured crane types.
- Other changes made:
 - #2706 Matrix not updated with correct relay data.
 - #2697 Fix issue when the matrix to relay connection is deleted and then trying to reduce the number of relays attached to the matrix.
 - #2702 RF Telemotive command not being saved to the project file.
 - #2696 Allow the user to change the relay/ IO number in the relay property without pulling in the associated data for the new IO number.

Version 2.4.3 (General Availability): (July 30, 2015)

The following changes have been made in this release:

- Bug #806 Check IS2 firmware version before issuing Crane Configuration command. Version 4.1.1 is the first version to support the command.
- Task #807 Recover from a corrupt cached user.config file.
- Bug #808 Unhandled Exception closing application in certain situations.

Version 2.4.2 (General Availability): (July 02, 2015)

The following changes have been made in this release:

- Bug #798 Antenna property not visible for IS2 and MHR products.

Version 2.4.1 (General Availability): (June 25, 2015)

The following changes have been made in this release:

- Bug #795 Auto detect transmitters when plugged in or a new project is created.

Version 2.4.0 (General Availability): (June 19, 2015)

The following changes have been made in this release:

- Task #717 Add path validation during compile of map.
- Pre-engineered Crane Configuration changes/additions.
- Task/Bug #696 Open RCP project file by dragging file on to Start page.
- Task #695 Added Library Function to simplify for more complex matrix layout.
- Task #689 Latest RCP compatible firmware to be available via menu.
- Fix Bug #687/#688 Remove non-editable properties for Flex M.
- Fix Bug #656 Error on invalid response to the query command.
- Other miscellaneous bug fixes

Version 2.3.0 (General Availability): (November 26, 2014)

The following changes have been made in this release:

- Detect instance of RCP on launch and reuse running instance. Task #627
- Web Updates during RCP startup and a menu item to check for available RCP updates. Task #46
- Project files are now version stamped. Warns user of project file created with newer version of RCP to take advantage of new features.
- The addition of a timer channel Task #580
- The addition of an analog to digital channel with hysteresis (Dead-band adjustment) Task #581
- IR adapter configuration changes to be used with crane configuration.
- Fix bug #485, reporting of invalid matrix configurations.
- The addition of configuring ESTOPs as outputs for the MHR and IS2 devices. Task #308
- Virtual Dip switches for the IS2. Task #579
- The Radio Frequency is now stored in the RCP project file. Task #582
- Other miscellaneous bug fixes

Version 2.2.3 (General Availability): (August 20, 2014)

The following changes have been made in this release:

- Fix Bug #535 - Changes to the intelSmart/crane configuration in the IS2.
- Implement Task #539 - Virtual Dip Switches for the Flex M.
- Fix Bug #540 – Dynamically update the Send/Receive menus for the Ir Adapter to reflect the type of data that is stored in the slots.

Version 2.2.2 (General Availability): (August 06, 2014)

The following changes have been made in this release:

- Add support for Mini-PGT transmitter
- Add support for Flex M receiver
- Add crane configuration for the *inteleSmart2* via Ir-Adapter.
- Fix Bug #484 – Speed point vales not being saved to disk
- Fix Bug #485 – Added compile time check for an invalid matrix connection
- Fix Bug #488 – Issue with connection line staying with matrix even if the relay input has changed.
- Fix Bug #489 – Correct “discrete” being misspelled
- Fix Bug #490 – Correct “controlled” being misspelled
- Fix Bug #491 – The ‘\n’ being displayed instead of new line in the text box for the help text.
- Fix Bug #492 – Change the help for Math operators explain that the AND/OR operations are conditional operators
- Fix Bug #495 – Fix issue with CAN filter data not being displayed properly from save project file.
- Fix Bug #502 – Fix issue with cursor moving to beginning of text box when typing
- Fix Bug #504 – Fix issue with matrix connection point not indicating a change to project.
- Fix Bug #505 – Change the Matrix Connections property to display the relay names that are associated with the matrix that the relay is connecting to.
- Fix Bug #507 – Fix issue when sending configuration to the Flex M
- Fix Bug #515 – Update the copy right dates

Version 2.2.1 (General Availability): (May 27, 2014)

The following changes have been made in this release:

- Add crane configuration for the *inteleSmart2*.
- Add additional compile time checks.
- Add the ability to configure a constant as a percentage of the value.
- Add the ability to select multiple channels in the workspace.
- Add the ability to delete/copy/move channels in the workspace.
- Add right-click options to delete/copy/move and connect channels with short-cut keys.
- Allow an RCP to open a read-only project file.
- Add library functions to speed up project create.
- Implement mapping of specific bits from the master digital byte
- Implement output latching for CAN2/MHR/*inteleSmart2*
- Implement RF command masking for CAN2/MHR/*inteleSmart2*
- Property grid speed improvements.
- Added the ability to enable/disable the status PGNs for CAN2
- Fixed other miscellaneous defects.
- Changes require latest hex files for CAN2/MHR/*inteleSmart2*.

Version 2.1.5(General Availability): (January 21, 2014)

The following changes have been made in this release:

- Fixed an issue programming RCP programmable MHRs. Concurrent MHR Hex file also needed. (mhrx_cpu_RCPDefault_v3.1.1_1.hex or greater)

Version 2.1.4(General Availability): (January 14, 2014)

The following changes have been made in this release:

- Added the ability to configure the *inteleSmart2* receiver via RCP.
- Added the ability to configure the CAN-2 / WIC-2402 receivers via RCP.
- Addressed issue with RCP not detecting MLTX2 after resetting device via FDP page.
- Fixed other miscellaneous defects.

Version 2.1.0(Beta): (November 22, 2013)

The following changes have been made in this release:

- Added the ability to configure the *inteleSmart2* receiver via RCP.
- Fixed additional issues

Version 2.0.11(General Availability): (October 22, 2013)

The following changes have been made in this release:

- Added support for the CAN receiver to set the Client/Server setting.
- Added CAN filter support. The user can set the CAN filter via a tab on the bottom of the CAN page.
- Removed the version number from the title bar.
- Removed popup saying “No xxxx device found” when starting project.
- Fix issue when printing a report for the telePendant 10K
- Fix issue when entering History for a telePendant/telePilot

Version 2.0.10(Beta): (September 30, 2013)

The following changes have been made in this release:

- Added support for the CAN receiver to set the Client/Server setting.
- Added CAN filter support. The user can set the CAN filter via a tab on the bottom of the CAN page.
- Removed the version number from the title bar.
- Removed popup saying “No xxxx device found” when starting project.

Version 2.0.9(Skipped):

Version 2.0.8(General Availability): (June 12, 2013)

The following changes have been made in this release:

- Update installer icon to the latest.
- Fix issue with integrator key working across all products.
- Enable the “Reset to Defaults” button for receivers.
- Fix issue with stale data being left in the programming page workspace when adding a new device to the project.
- Fix issue so that the vendor ID is logged properly when scanning for Magnetek devices.
- Add some additional logging for diagnostic purposes.

Version 2.0.7(Beta): (May 31, 2013)

The following changes have been made in this release:

- New Look to the UI
- New ICON

- Added a real image of the Relay Receiver
- Added feature to remove any control characters from a project file.
- Added Scaling channel
- Miscellaneous code clean up and addressing if issues.

Version 2.0.5(Beta): (May 13, 2013)

The following changes have been made in this release:

- Disable Send/Receive button if an error occurred while communicating with the device via USB.
- Log file written to less restrictive folder. The log file folder can be opened via the Help menu.
- Changed the Manufacturing date field for telepilot/telependant devices to not show dashes.
- Miscellaneous help text changes.

Version 2.0.4(Beta): (May 7, 2013)

The following changes have been made in this release:

- Fixed issue where MHR/MHC device not updating the date/time.

Version 2.0.3(Beta): (May 7, 2013)

The following changes have been made in this release:

- Fixed issue where MHC device not recognized.
- Add basic Relay Receiver support.
- Miscellaneous UI clean up.

Version 2.0.2(Beta): (April 30, 2013)

The following changes have been made in this release:

- Fixed issue causing an update/overwrite if Device Information in the Unit Info tab.
- Change the Rx Timeout property to be a combo box instead off free form text box.
- Fix issue where the user cannot remove items in the parameter selection for RF and CAN
- Fix issue where the RF Command name was being overwritten when the command type or function was changed in the combo boxes.
- Fix issue that shows the incorrect channel data in the grid when navigating back to the Unit Info page.

Version 2.0.1(Beta): (April 24, 2013)

The following changes have been made in this release:

- Fixed issue reading the history from telePilot/telePendant.
- Reduce flicker when selecting on channels and the properties grid us updating.
- Make the Calibration Slope and Offset adhere to the administrative rules when the grid is displayed.
- Added check for administrative levels for read/write access to project id / serial number
- Fix issue where the description was not being shown on the channel in the workspace area for RF Command channel.

- Fix issue when the user changes the math operation to/from a NOT operation. The property grid was not dynamically changing the number of inputs.
- Fixed issue with channels that have the same connection input overlapping each other.
- Change the Analog and I/O drop downs to have the same text as the diagram.
- Fixed issue if the Parameter In bit length is greater than 8 when the View button is clicked for the CAN J1939 messages.

Version 2.0.0(Beta): (April 10, 2013)

- The following changes have been made in this release:
 - The user can now map incoming RF messages, CAN messages and Input to each other through RCP. (RCP only supports mapping on the MHR, firmware update required)
 - New User Interface layout
 - Improved error handling
 - RCP generates a log file for tracing any issues.
 - Additional bug fixes

Known Issues

Issue#	Description
190	When entering the FDP tab and returning to another tab; the communication link between RCP and the device is lost. Work around, close RCP and restart.
193	No way to remove dropdown boxes for RF and CAN channels if no selection is made.
200	The pin label does not match the parameters heading (AD 1 versus AI 1)
202	Input Configuration Type – Field names are confusing. Make it simple. Analog or Digital. It would be nice if the actual input parameters appear in the below description field.
203	Missing latching, on and off delay functionality for inputs.
204	Output Name - Need to more clearly indicate this is a user defined field in the description.
205	Missing latching, on and off delay functionality for digital inputs.
206	The proportional output selections are confusing. Usually selections are PWM (dither and duty cycle settings), current control (dither and current min/max settings) and closed loop current control. We have only PWM Open and PWM Closed.
207	Output Calibration Slope and Output Calibration Offset explanation
208	Missing dither frequency
209	Joystick dead band offset adjustment.
210	Output Current – Specify Units?
211	Output Ramp – Specify Units?
212	The names need to match the pinout descriptions in the Device Info tab.
213	Tabs should be in a more logical sequence. .
214	Changes between Unit Info and Programming tab are the same for the configuration.
215	The CAN tab contents are a mystery to me so I have no comments.
216	The yellow description box in the upper left corner of the blocks for RF Cmd In and RF Digital Bit In are the same.
217	The location of the Constant Channel selector.
220	Primary concern is the amount of real estate available for the block programming concept.
221	Output Configuration Type selection

222	Input Configuration Type – selection
223	We have limited digital output capability when using the MHR with proportional valve control.
224	Rx Timeout to be more user friendly
TDB	The property grid doesn't match the selection in the block diagram when navigating between programming and Unit Info tabs.

Version 1.5.2: (August 20, 2012)

- The following changes have been made in this release:
 - Improved RCP's USB device detection/removal
 - Added toolbar buttons for adding and removing devices from the project
 - Added the ability to change the receiver timeout for receivers
 - Increased feedback when an error occurs when communicating with a device
 - Added ability to update device firmware from RCP
 - Miscellaneous bug fixes
- Device Support
 - The following devices are now supported:
 - Flex VUE
 - CAN-2

Version 1.4.11: (December 1, 2011)

- Device Support
 - The following devices are now supported:
 - 1 SPEED telePilot
 - 2 SPEED telePilot
 - 2 SPEED telePendant
 - 3 SPEED telePendant
 - inteleSmart

Version 1.3.09: (May 17, 2011)

- Device Support
 - The following devices are now supported:
 - MBT
 - PGT
 - XLTX
 - MLTX2

Version 1.2.21: (October 04, 2010)

First Public Release

- Device Support
 - The following devices are now supported:
 - MHR