RES (Radio Editing Software) Release Notes

Version 5.8.28   (06/22/23)

Features:

Add BKR9000 mic AGC enable and gain level options
Change BKR9000 internal mic select default to automatic

//---

Version 5.8.27   (05/16/23)

Features:

Add internal mic select for BKR9000

//---

Version 5.8.26   (05/04/23)

Features:

Add LLA Keys Manager tool
Hide man down panel if no man down switch in radio
Adding internal and external mic gains
Add maximum volume setting
Change function button name from RSM Speaker Attenuation to Speaker Attenuation

//---

Version 5.8.24   (02/05/23)

Features:

Expand BKR9000 700/800MHz Band Tx Frequency Range
Add encryption level provisioning in FES
Add Wi-Fi enable in FES
Add noise cancellation in FES

//---

Version 5.8.21   (05/19/22)

Features:

Expand developer mode allowed email extensions

//---

Version 5.8.20   (03/09/22)

Fixes:

Fix the new project wizard causing a crash

//--

Version 5.8.19   (03/04/22)

Features:

Add ability hide columns in the multi channel view

Fixes:

Fix writing codeplug to mobile radio through a control head
Fix code guard combo box text editor

//--

Version 5.8.18   (01/18/22)

Features:

Fixes:

Fix crash when opening new project wizard

//--

Version 5.8.17   (01/06/22)

Features:

Use the host system's locale decimal separator in numerical fields

Fixes:

Upgrade log4j version to 2.17.1 to avoid moderate level Log4Shell vulnerabilities

//--

Version 5.8.16   (12/15/21)

Features:

Fixes:

Upgrade log4j version to 2.16.0 to avoid the Log4Shell vulnerability

```
//--------------------------------------------------------------------------

Version 5.8.15                                            (11/2/21)

Features:

Add support for version 2 of the RSM accessory
Add support for all band radio type

Fixes:

Fix emergency hot mic selection logic
Remove requirement that MSB of ESN is 0x10
Remove call alert reset time
Remove keypad mute function
Remove evacuation tone sequence

//--------------------------------------------------------------------------

Version 5.8.14                                            (3/19/21)

Features:

Fixes:

Allow GPS Peer Location on top display
Allow GPS Peer Location to include an alternate display option on the main display
Force GPS Peer Coordinates to the main display option and disable the alternate
when selected
Use 'Selectable' as a Unit Call Encryption selection instead of 'Use Channel
Setting'
Allow only one system priority to use the main channel
Allow only one priority to use the main channel in the Zone Settings

//--------------------------------------------------------------------------

Version 5.8.13                                            (3/3/21)

Features:

Added voice announcement priority global parameter.
Added scan list global conventional button to allow editing scan settings of all
conventional channels.
Added scan list option to conventional menu items.
Added scan list option to conventional programmable buttons.

Fixes:

Removed the GPS display options from the top-display choices.
```

Disabled alternate display option if a GPS display option is selected on a main
display line.

//--

Version 5.8.12   (2/16/21)

Features:

Allow all valid DTMF tone entries (i.e., 0-9, A-D, * and #) where applicable

Fixes:

Hide off-hook mute all global parameter if non-mobile radio is selected
Fix bug causing Zone Clone to fail whereby the dialog would never appear
Fix bug of TX High and Low Power settings not retaining selected value

//--

Version 5.8.11   (1/29/21)

Features:

Fixes:

Allow a 6 character number to be entered for a two tone frequency
Remove top alias from parameters
Allow all display options for the top display
Add voice announcement gain global parameter

//--

Version 5.8.10   (1/18/21)

Features:

Provide initial support for the BKR-9000 multi-band radio.

Fixes:

Fix hidden confirm dialog for zone clone window.
Ensure proper validation of CxCSS entries after editing is finished on conventional
channels in the multi-channel view.

//--

Version 5.8.9   (11/30/20)

Features:

The batch programming RSI fields behave more like the RES RSI fields (e.g., "N/A" displayed when values are out of range, etc.).
The batch programming log now displays "N/A" if the RSI value is out of range.
The batch programming dialog now displays the current parameter file correctly in a separate field; it has been removed from the title bar.
The OTAP dialog now displays the current parameter file correctly in a separate field; it has been removed from the title bar.

Fixes:

Ensure proper validation of CxCSS entries after editing is finished on conventional channels in the single-channel view.
Always default the BKR-5000 channel collar switch to perform zone-select after a file load to improve reading older .neo files.
Removed "Automatic" selection from the trunking system Tx power type as the radio firmware does not support RSSI-based power changes.
Corrected a bug whereby various pop-up windows (e.g., batch programming) could access unallocated memory thereby resulting in a crash.
The batch programming RSI ID is validated before and after auto-increment.

//---

Version 5.8.8   (10/8/20)

Features:

Fixes:

Provide detailed message of possible file-lock when opening a RES file in Batch Programming.
Fix logic preventing OTAR data from being read from a radio.
Fix maximum limits on RSI text boxes.

//---

Version 5.8.7   (7/22/20)

Features:

Fixes:

Check RSI and Message Data fields for invalid values -- display "N/A" accordingly.

//---

Version 5.8.6   (6/26/20)

Features:

Add Top Display Text to keypad lockout options for BKR-5000; it should hide/show

based on radio-type selection.
Limit top display options to ones that will fit for BKR-5000: Channel Label, Channel Number, Zone Number + Channel Number, and Zone Number.

Fixes:

Correct Excel export preferred site number: in both Announcement-Groups and Talk-Groups the preferred site list number was not correctly showing "None" for index 0.
Change Excel importing of Announcement-Groups to behave like Talk-Groups whereby "None" is now case-insensitive, and 0 is correctly assigned in the event none is imported.

//---

Version 5.8.5   (5/14/20)

Features:

Fixes:

Use default RES preference file if existing one is not readable
Excel Import Wizard: process zone sheets when no pick lists are selected

//---

Version 5.8.4   (4/24/20)

ANNOUNCEMENTS:
This release is the result of combining features and fixes introduced in the 5.6.x version of RES into that of the 5.8.3 version that were previously not included. It is meant to be the single version of RES used to program all products moving forward.

Features:

Update firmware and parameters version limits: minimum firmware read/write version = 5.5.0, maximum parameter file version = 5.6
        - firmware version can be overcome via options->firmware restriction menu option
Added in the enhance scan with zone parameter
Warn user that USB keys are not supported on Linux
Updates the Global->Conventional panel in RES
Automatically focuses on search text when tabbing away and coming back
Adds GPS Pre Tx Trigger to RES
Adds GPS Impolite
Removes MSAT from trunking main menu
Log all excel import values that aren't found and warn the user
Remove External Radio

Adds SNDCP Deregistration to Excel Import
Adds Code Plug Version to global parameters
Removed 'Quick Status' from menu search
Changed 'Selectable' to 'Use Channel Setting' for unit call encryption selection
Recent file list updated to allow ',' in filename
Adds support for specific searches in Parameter search using quotation marks
(single or double)
Alphabetize display line selections
Deprecated Mobile I/O enable parameters
Added prompt to warn users who program Auto Keypad PTT that this will override
programmed keypad functions
Enable Auto-keypad PTT if Global DTMF Live Dial is enabled
Adds Trunking SNDCP Deregistration Parameter
Changed logic to look at all systems, not just current system, for search
Move top display line into the display panel
Multi channel view how displays channel label and index on upper right portion of
table to help user better navigate and use the multi channel view
Added auto-save feature to batch programming for log files
Systems are no longer allowed to be moved up/down
Upon update, users are prompted with the changes made in this version. The help
menu has also been reorganized for better access
Batch Programming now sets title based on codeplug opened
Batch Programming now gets a copy of the parms RES has opened
Added File Lock to neo files to prevent other apps from modifying them while opened
Removes 'TX Inhibit' from search and from button options
Added 4,6,8,10,12 hour time intervals to mobile power down.
Added Mobile Display Disabler application
Added Mobile I/O Call Alert Feature
AHS Handset Offhook Mute All
You can now use the 'del' key to delete table entries
Neo files can now be dragged and dropped to open
Added new GC parameter: Ignore transmissions from own UID
Added global DTMF Live Dial
Moved all windows under the 'tools' panel. Renamed 'tools' panel to 'utilities'
Global Default Squelch added & Conventional Channel Squelch exposed to user
Add support for AES keys
Added offhook talkback to GC
Added in evacuation tone feature to both menu and buttons for conventional only

Fixes:

Fixed read issue with OTAP
Fixed highlight color of table rows
Pop-up messages now show up in front
Various internal updates
Fixed channel parms being set before picklist imported
Changed name of 'OTAR Channel' to OTAR/Data Channel'
Do not not error out if unable to write the preference file
Channel comboboxes now update properly
Hide GPS distance change and GPS host request until implemented

Autosave history window always on top blocked warnings and other windows and does
not appear to be necessary
Do not force an update for channel view selection
Fixes bug where RES wouldn't let you reopen an open file
Changed Window to Utilities for auto save history error
Changed Versions Manager to Version Info String for window
Updated RES Icon
Batch Programming now ends connection threads when closed
Baud rate now reads/writes properly
Do not show duplicate errors per zone
Removed Mobile I/O enables from search (deprecated)
Better handling of null strings
Try to prevent the registration window from popping up on read failure
Updates searched menu items so that they go with their respective radio types
Fixes read radio bug where RES would not receive current parameter
Disable RSM emergency flash LED checkbox if P25 system is Rx only
Fixes key index changing bug
Fixes poor wording of Soft Power Down Timer
Round frequencies to 1.25 kHz multiples
Moving channels multiple spaces fixed
Minor tweaks to contact software support email
Tone Remote Interface is now mobile only
Fixed caret placement
Remove auto-Jira ticket generation
Switching views now selects the proper channel on any zone
Talkgroup is now selectable in multi-channel view
Enable write attribute before attempting to open file
Fixed issue with opening a file after saving
Conv Encryption keys menu and softkeys don't match
Fixed error being thrown when reading from Batch Programming
Fixed sizing of RS485BaudChanger
RX only trunking system additional options not disabled
Zone clone multiple zone window does not open.
Remove Mahi and Wahoo radio types and multiband option
Fixes Baud Rate Changer allowing baud rate to be changed on portables
Fixed UI for Mobile ignition low timer
Fixed programmable buttons
Fixed searchable parameters
Fixes to ensure additional ignition timer values are valid
Fixed barcode scanning issue
Changes to accomodate new ignition line lower timer in RES. Search/excel added.
BRP would not increment radio name if no digit was at the end
Added missing parameters to Excel import
CParametersCC now limits frequencies properly for 700/800 band
Fixed frequency updating issue

//--

Version 5.8.3   (4/2/20)

Features:

Added in dedicated zone/channel for GPS data
Adds Daylight Savings time parameter
Added date and time source and date and time manual override parameters

Fixes:

Added in missing search parameters
Moved Time Zone selection into date & time panel
Remove GPS lines from top-display combo boxes

//--

Version 5.8.2   (3/22/20)

Features:

Add GPS Peer Coordinates to the conventional and trunking display options
Added support that allows the user to enable / disable GPS

//--

Version 5.8.1   (2/23/20)

Features:

Add keypad mute to menus and buttons

Fixes:

Add top-label to multi-channel view table
Show/hide the top-display parameters in multi-channel view
Adding top-label to Excel import parameters
Fix bug not allowing Enhance Scan with Zone Scan to update correctly

//--

Version 5.8.0-rc9   (2/5/20)

Features:

Add quick status button choices
Add voice annunciation mute to menus and buttons
Add Top Alias to conventional and trunking channels

Fixes:

Make top display default to channel label instead of none
Correctly set channel collar to zone-select

```
//----------------------------------------------------------------------

Version 5.8.0-rc8                                          (12/27/19)

Features:

Added Volume Adjust Tone

//----------------------------------------------------------------------

Version 5.8.0-rc7                                          (12/9/19)

Features:

Enhance Scan: add zone scan to enhance scan and toggle switches

//----------------------------------------------------------------------

Version 5.8.0-rc6                                          (11/22/19)

Fixes:

Fix Top Display configuration on trunking channels
Disable FES checkboxes and radio buttons when it is opened from inside RES
Remove Top Display Bottom Line Support

//----------------------------------------------------------------------

Version 5.8.0-rc5                                          (11/4/19)

Features:

Add RSM related conventional/P25 Trunking Main menus
Add BKR5000 RSM programmable buttons

//----------------------------------------------------------------------

Version 5.8.0-rc4                                          (10/23/19)

Fixes:

Consolidate Codeplug parameters

//----------------------------------------------------------------------

Version 5.8.0-rc3                                          (10/11/19)

Features:
```

Add flip top-display option for BKR-5000

Fixes:

Allow open Baud Changes
Consolidate Codeplug parameters
Remove ability to program Bluetooth to buttons/menus on BKR-5000 (no hardware support)
Add physical unit to the Soft Power Down Timer Label

//--

Version 5.8.0-rc2   (9/16/19)

Fixes:

Assign channel collar Zone Select for BKR-5000

//--

Version 5.8.0-rc1   (9/13/19)

Fixes:

Reassign internal Radio Id enumerations

//--

Version 5.8.0-rc0   (9/12/19)

Features:

Support for Radios BKR-5000

//--

Version 5.5.9   (6/27/19)

ANNOUNCEMENTS:
As of April 8, 2014 Microsoft stopped supporting Windows XP and therefore
it is no longer an officially supported platform. Users may still continue
to use RES on Windows XP at their own risk, but we can no longer provide
complete guarantees for RES on Windows XP, since the OS is no longer being
updated by Microsoft.

Features:

Allow users to read / write from any firmware version
Allow RES 5.5 to read encrypted preferences from 5.6

Remove auto-update feature

Fixes:

Fixed rounding of non-standard frequency values assigned to control channels.
Fixed default Zone toggle to Zone 1 (instead of Zone 2)
Fixed Exception when attempting to open 5.6 codeplug

//--

Version 5.5.3   (11/10/17)

ANNOUNCEMENTS:
As of April 8, 2014 Microsoft stopped supporting Windows XP and therefore
it is no longer an officially supported platform. Users may still continue
to use RES on Windows XP at their own risk, but we can no longer provide
complete guarantees for RES on Windows XP, since the OS is no longer being
updated by Microsoft.
v
Features:

Lightning Light driver is now installed when RES is installed
Exporting in Audio Converter automatically sets the Voice Annunciation directory in
RES
Batch Programming can now change the radio type
Batch Programming can now save codeplugs with either the ESN or serial number
Multiple rows are now selectable in Multi-Channel view by using shift-click or
ctrl-click
All tables now allow users to move entries up and down using ctrl-up, ctrl-down or
the right-click menu.
Added ability to close a codeplug without closing RES

Fixes:

Fixed issue where double-clicking to open a .neo file did not update the radio type
Fixed issue where RES would not warn the user if they attempt to save a file that
is open in another program
Extended Channel ID Tx Offset entries to take 5 decimal places instead of 3
Fixed issue where Batch Programming would lock up when trying to use a radio name
of all numbers
Removed various menu/buttons that are not programmable on certain radio types
Fixed issue where importing Excel file with extremely long labels would not work
Fixed issue where an exported Excel sheet with Trunking channels could not be
re-imported
Fixed Graphical issue where Batch Programming log colors would not reset

//--

Version 5.5.2   (7/6/17)

Features:

Added Child Key Maker (Window -> Child ASK Maker)
Added option to turn off the Auto-update check (Options -> Check for update on startup)
Added Text-To-Speech capabilities in Audio Converter / Voice Annunciation
Added feature to set all systems & RSI to the same value (tools -> Set Global Radio ID...)
PC Access password now restricts write
All parameters are now searchable (accessible through keyboard shortcut "ctrl+F")
Reworked excel import / export to dynamically find columns to make future excel exports backwards compatible
ASK Implementation for Hardnened computers

Fixes:

ESN now loads properly when opening a .neo file via double-click
KNG2 codeplugs are now saved/loaded as KNG2 (not KNG) codeplugs
Fixed auto-save functionality with newer codeplugs
Fixed display issue with changing zone indexes
Copy/paste directly from excel into text fields now works properly
Trunking Channel Identifier Base Frequencies can now be set outside of the band restrictions
Fixed issue where Software encryption keys were not editable until key data was entered
Fixed issue where RSI values were not displayed properly
File choosers & Warning messages can no longer be clicked past
Fixed issue where Batch Programming was logging incorrect values while performing Express Programming
Fixed issue where in some cases the receive codeguard would change to the transmit code guard randomly
Various fixes with Dual Mode Scan table
Various fixes with 'save as...' functionality

//---

Version 5.5.1   (4/6/17)

Features:

Ability to open multiple instances of RES to compare/edit multiple code plugs at once
Zone Clone can now chose where the zone will be cloned to on the destination radio
Crypto Variable entries are now viewable until submitted to the table
RSI values are now saved within the .neo file
All Zone settings are now in a separate window to provide more space for multi-channel view
Expanded Audio Converter support to multiple .wav formats

Ability to copy/paste multiple channels across zones (and on multi-channel table)
Ability to type in the Trunking Talkgroup you wish to set on Trunking Channels
Added Recently opened file list (located in File -> Recent)
Excel Export/Import of Channels now assigns a system number to each channel
Updated Audio Converter help document
ESN is now saved with every code plug (instead of only with code plugs that have trunking systems)
Excel Import now handles both decimal & hexadecimal values for Trunking System Talkgroups
Updates & Improvements to Search feature
Developer Mode now allows disabling of Trunking System Receive Only parameter
Adding log clearing functionality to Batch Programming
Screens with resolution down to 1200x900 are now supported
Added Audit information, which includes last written System key, date, time, etc.

Fixes:

Fixed System ID not showing in Trunking System Sites Table
Fixed issue with setting conventional channel frequencies in Multi-Channel View
You can now paste channels into empty zones
Fixed Bug where Excel import of trunking channels did not accept blank cells
Fixed issue where Batch Programming would lock up with USB System Keys
Improved performance with codeplugs containing large scan lists
Various UI Improvements
Low/High Power for conventional systems are now defaulted properly based on band setting
Fixed rare issue where RES would ask to register again
Fixed rare issue where selecting a column in multi-channel view caused the table to scroll
Fixed issue where programmable buttons could not be viewed properly in NeoVision
Fixed rare issue where Batch Programming would write duplicate system list entries
Fixed password-restricted USB keys not being able to be opened
Fixed issue with non-consecutive channels in multi-channel view

//--

Version 5.5.0   (1/25/17)
Inital version release
Added Batch Programming Application
Added Audio Converter Application
Name change from Radio Options Control to Feature Editing Software
Added all necessary parameters for firmware 5.5.0
This version is compatiable with firmware 5.5.0.
Open code-plugs (.neo files) that are 5.0.0 or newer, you can still open older code-plugs but parameters may not be converted correctly.
Read radios that are 5.0.0 or newer ONLY
Write to radios with firmware versions 5.5.0 ONLY
Converters code-plugs that are 5.0.0 or newer to 5.5.0

//--