

# Release Notes

## SHORTWAVE LOG

### Build 3663 – January 11, 2010

- Several menu items in SWLog that were supposed to be hidden somehow became marked as visible. I blame gremlins. The menu items have now been deleted so that they cannot mysteriously reappear.

### Build 3662 – January 10, 2010

- **NEW FRENCH TRANSLATION!** Many thanks to Bernard Malet for this translation.
- The installation package has been updated to download and install the Windows Installer version 4.5.
- Fixed a bug on the About page where the link to ZedGraph was incorrect.
- Revised the Installation Guide.
- Modified the installation package to make the Advanced Notes about SQL Server document more prominently placed.
- The status line in the Community Upload/Download form was mistakenly hidden when the size of the form was reduced. It has now been restored.
- A fourth style of S-Meter has been added to the Radio Control Server.

### Build 3652 – December 31, 2009

- The AOKI import routine has been modified to work with another format change.
- A setting to determine whether debugging information is written to the debug (text) files has been added. The text log files can become quite large if RCS is linked to the RemoteHams.com RCF front end. This does not affect the logging to the Application Log.
- A bug with the date time picker in the eQSL.cc download form has been resolved. The picker was not showing the current date, even though it was properly set to the date of the last downloaded QSL.
- Fixed a bug in Sunrise/Sunset and MUF/LUF where if the last hard-coded location were picked, a latitude and longitude of zero would be shown.
- The graph library, which is used in MUF/LUF, is not compatible with Windows 7. Ironically, the graph library is from Microsoft. A new graph library will be used under Windows 7. The Microsoft-based graph will still be available as a secondary option under Windows XP and Windows Vista.
- The above bug also led to a refinement of the code to detect Windows 7.
- Fixed a bug in the Radio Control Server where, upon the first publication of a receiver, the longitude would be set to the incorrect hemisphere. This was not a practical issue in that the longitude would be corrected as soon as RCS was restarted; however, it still was a nagging issue.
- Fixed several bugs in the RCSpublish web service that only came to light during the conversion from MySQL to SQL Server as part of the switch to a new ISP.
- The activeradio3 web application has been updated and refined to work with the new ISP and database. This is a seldom used application, but it is integral to the web publishing feature.
- Fixed a bug with duplicate Community logs.

### Build 3620 – November 29, 2009

- The Shortwave Logbook by Continent report has been migrated to work over remote TCP/IP connections. This makes 14 reports that have been migrated to work locally and remotely.

- The manifest files for the various applications have been altered to work under Windows XP.
- The installation package has been modified to require the Windows Installer 4.5 to be installed before installing SQL Server 2008 Express. This is only necessary on legacy (i.e. pre Windows 7) operating systems.
- The installation program will now require that Windows XP systems reboot. This has always been the case, but now the installation program will enforce it. Windows 7 and Windows Vista systems do not need to reboot, although it is recommended.
- While not a bug with the application, a check was added in WPN to handle external data that has times of 2500 hours.

### Build 3613 – November 22, 2009

- The various applications (SWLog, RCS, and AudioEncoder) have had their manifest files updated to make them DPI-aware for Windows 7, as documented in <http://msdn.microsoft.com/en-us/library/ee308410%28VS.85%29.aspx>.
- A bug has been fixed in the date selector to allow for log entries before 1980.
- The AOKI import routine has been updated yet again to deal with format changes that were introduced with the new seasonal schedules.

### Build 3571 – October 10, 2009

- Fixed a bug in the TCP/IP Sockets Server for RCS where remote connections were not able to tune the Icom IC-PCR1500/2500 above 1.3 GHz. Now commands up to the limit of 3.3 GHz work.
- Several edits to the Clean Stations function to (surprise) clean some of the underlying databases.

### Build 3550 – September 20, 2009

- Fixed a bug in SWLog where the Remote Radio Control Client would not properly close the connection to the remote receiver if the form were closed. The connection would be closed if the DISCONNECT button were clicked, but not by merely closing the form.
- Fixed a bug in RCS where an exception would be generated if there were no serial ports in the computer.
- Added some better error checking to RCS Remote.
- Removed support for integration with Ham Radio Deluxe via the IP Server. The author of HRD has broken the protocol. Support for integration with HRD still exists via DDE.
- Fixed a bug in RCS if the desired frequency is greater than 2.147 GHz.
- Based upon looking into the previous bug, the display of frequencies in the GHz range has been altered in RCS. If a frequency is 1.0 GHz or greater, it will be displayed in GHz rather than MHz or kHz.

### Build 3543 – September 13, 2009

- The change in Build 3523 to use SQL Server 2008 means that the .NET Framework 3.5 will be required. (The current version from Microsoft is 3.51 SP1.) As such, SWLog is now upgraded to use the .NET Framework 3.5 as well. Those still using SQL Server 2005 and the .NET Framework 2.0 will need to upgrade to the .NET Framework 3.5; however, this should be a non-issue as it has been part of Windows Update for months.

- A corollary is that Windows 2000 support has ended as Windows 2000 does not support the .NET Framework version 3.5.
- The Icom PCR-1500/2500 receivers can now tune up to their maximum frequency of 3.3 GHz.
- The installation package has been updated to install SQL Server 2008. Previously it simply directed the user to the Microsoft web site. The installation package will only install the English version of SQL Server. If a localized version is preferred, it will need to be downloaded and installed manually.
- Tweaks to RCS to improve the tooltip that appears over the frequency.
- Improvements to the Band Scan form. (N.B. No changes whatsoever were made with regard to the support for the Ten-Tec RX-320. A bug was reported with regard to the RX-320 in this form, but the author has not been able to reproduce the bug.)
- Improvements to the background processing for RCS, important to those with multi-core CPUs.
- Now when adding a log (shortwave or amateur), a screen-shot can be automatically captured and stored with the log as an attachment.

### Build 3523 – August 24, 2009

- A new installation package has been created that will now leverage SQL Server 2008. SQL Server will now be managed by a Microsoft web installation package rather than being downloaded and installed by the installation package.
- Fixed several issues in VAD where queries were reported as being missing.
- Modified the data grid in WPN to detect NULL/empty values.
- A more elegant check for LAME 3.96.1 has been implemented. No longer will command prompts be flashed whenever the Audio Encoding or Add New Log functions are called.

### Build 3519 – August 20, 2009

- Bug fixes in the WPN form. (These did not solve the issue.)

### Build 3514 – August 15, 2009

- Fixed a bug in adding a new shortwave log where if the country name were unknown, an exception would be thrown.
- The deprecated IMAGE and TEXT columns have been converted to VARBINARY(MAX) and NVARCHAR(MAX) thus ensuring compatibility with the next version of SQL Server. The the database is now compatible with SQL Server 2005, 2008, and the next version (expected to be 2010).
- Fixed a problem with the Manage Stations form where the size of the checkbox was too small to display any text.
- New Italian and Portuguese translations. Thank you Felice and Carlos!
- RCS Remote has been updated to Silverlight 3. There have also been many behind-the-scenes tweaks to RCS Remote and the sockets server in RCS to improve performance. This update is valuable to everyone.
- The DRM schedule can again be download and imported by hand. It has been noted that some software firewalls block the downloading of the schedule via FTP.
- 13 reports have now been converted to run over a TCP/IP network database connection. 35 remain to be converted.
- WPN now includes a Gantt chart for program schedules and allows the grids to be undocked and moved freely.

- RCS now supports three baud rates for the Lowe HF-250E: 1200, 2400, and 4800.

### Build 3480 – July 12, 2009

- 11 reports are now capable of being run over a TCP/IP network connection to the database. All reports can still be run locally.
- The ILGRadio import routine has been updated to support the compatible ILGSTEXT format that is being updated by Ernest Riley on the Yahoo RX320 group. (In other words, join the RX320 group and download this new frequency database.)
- The current sunspot number is now being read along with the solar flux, A-index, and K-index. The solar weather database has been updated to support this new field.
- If a geomagnetic storm is in progress, a warning message will be displayed in the status bar. Mouse over the warning (i.e. view the tooltip) to see additional information.
- Note that only LAME 3.96.1 works with the Audio Encoding & Scheduling program. The new LAME 3.98.2 does not work.
- The URL for downloading the PrimeTimeShortwave list of frequencies has been updated.
- Fixed a bug in the Stations tab in the View All Database function where it was crashing.

### Build 3472 – July 4, 2009

- Changes to the Clean Database function to fix misspellings in the EIBI and PTSW databases. After downloading this build, please run the Clean Database function to have the new edits applied. It will not happen automatically, although it would also take effect the next time a version of EIBI or PTSW is imported.
- If "radiocontrol /reset" is executed from the command line, then the name of the settings form will appear in the Windows task bar. This should make it easier to locate the settings page from a navigational perspective.
- The URLs for the various maps and flags from the CIA World Factbook have changed again. While it is great that this resource has yet again been updated, each update breaks the download of the maps and flags. The program has been updated with the new maps and flags.
- While the application has long supported the use of multiple connections to SQL Server, it has never allowed the sharing of data like QSL Cards, Sound Clips, and such. This is now supported via a UNC share. Thus there can now be one master copy of all data and files and secondary computers can now access both the data and the files. This can be accessed via the "Advanced Settings" button in the Settings form in the Shortwave Log application.
- Identified a related issue with accessing a report over a TCP/IP connection to the database. The method to access the report has slightly changed with the new Crystal Reports 2008. All of the 40+ reports will need to be modified to work over a TCP/IP connection. This is a time consuming process, and it will take several weeks to complete. All reports work over a Shared Memory (local) connection. So if a report cannot run from a remote computer, run the report from the same computer that houses SQL Server.