

IE-45 RTA Software Version History Log

v. 1.45, 01 Mar 2009

Release version incorporating all changes since v.1.41

v. 1.44, 29 Jan 2009 Not a release version.

*Fixed bug in IE-45 where Power Average was not being saved to the .ivi memory header properly. Not a release version.

v. 1.43, 8 Jan 2009. Not a release version

Fixed a bug to read 1/12 octave points correctly in all instances

v. 1.42, 03 Nov 2008 . Not a release version

*Enhanced bitmap compatibility so that the screen capture utility in the RTA software creates bitmaps that are readable by virtually all bitmap readers.

*The same Strip Chart can now be saved multiple times, if desired.

*Removed cosmetically annoying black gaps between bars in 1/6 octave RTA mode

v. 1.41, 3 Sep 2008

*Enhanced the install shield for the application, fixed a small bug.

v. 1.40, 24 Aug 2008

* Auto screen scaling feature provides full screen view of RTA on both Samsung Q1 and Samsung Q1-U.

* A 50 Hz low frequency cut is now employed in Frequency Detect so that room rumble and other anomalous LF signals will not overpower the detect function.

* Frequency Detect feature is slowed down so it is not as "jittery". Use SPL meter "Fast" for optimal result.

* The Frequency Detect algorithm has been changed so that once highest amplitude frequency has been detected the indicator (and numerical readout) will remain steady on that frequency until another high amplitude signal is detected. At any point when a frequency is displayed for identification, the user can tap the "Stop" button and the RTA display will freeze and the frequency arrow (and numerical display) will stay locked on the highest amplitude displayed frequency.

* Some small stability enhancements have been added.

v. 1.37, 30 Jul 2008 (Includes updates from unreleased interim updates 1.34, 1.35 and 1.36)

* Preferred Curve bug fixed in this version (finally!!).

* Fixed bug with clearing scratch memory button indicator when an average is stored and then cleared.

* Numerous small stability enhancements.

V.1.34 (incl. 1.32, 1.33 interim updates)

* Spectrum file version (.ivi file) updated to 1.41 (it is backwards compatible). The spectrum file now averaging information.

* The memory buttons on the main software screen now show whether the stored information for that memory position is averaged, etc.

Arithmetic Average: memory button shows "<n>"

Power Average: memory button shows "[n]"

No average: memory button shows "n"

* Some basic code clean-up, modification, and streamlining of dialogs associated with spectrum file storage.

V.1.31, 17 Sep 2007 (incl. 1.29, 1.30)

- * Added file integrity and security enhancements
- * Fixed a software security/authorization bug.

v. 1.28, 12 Aug 2007 (incl. 1.26, 1.27)

- * Added automatic pop-up keyboard function in RTA. When a keyboard is required for input of files names, calibration, etc., a pop-up keyboard automatically come on-screen for ease in text entry.
- * Restored "Save Screen" function from screen where a bit map file of the screen is stored and sequentially numbered each time the "Save Screen" button is tapped. This had been lost in a previous version rev. update.
- * Made a small adjustment to screen graphics of RTA to include proper display of gain number in upper right of screen.
- * In RT-60 optional function made the appropriate change so that the 1/1 or 1/3 octave number of the slope is always displayed.
- * Corrected .wav file input selection. IE-45 will now read .wav files (as an input selection in File > Input Select > Wave File) recorded at 44.1 and 64 K sample rates.

v. 1.25, 14 June 2007

- * Replaced 1/24 octave Class 0 filters with 1/12 octave Class 0 filters
- * Added some program stabilization to assure proper long term operation of RTA software

v. 1.24, 22 May 2007

- * Improved functionality of manual setting of microphone Calibration Constant
- * Improved functionality of manual line level input calibration

v. 1.23

- * Corrected RT-60 User decay slope memory persistence.

v. 1.19, 30 Apr 2007

- * Improved triggering sensitivity and decay display for Pink Noise method of RT-60
- * Added "remember state" to Input Select in the Scope mode.
- * Improved Scope X/Y performance
- * New drivers included in the Install Shield
- * Activated "Screen Copy" button to make .bmp files of IE-45 screens

v. 1.13, 16 Apr 2007

- * Corrected Line Input selection and calibration bug.
- * Improved triggering sensitivity for Impulse method of RT-60
- * Re-worked Volt meter scaling
- * Frequency Detect option in RTA given added accuracy

v. 1.12, 25 Mar 2007

Original Release Version