

Release Notes for IVS-Professional/IVS-Basic

Version 4.4.12 – Released 01/17/12

New features

- Updated the communication plugin for the CC100. This new plugin performs much better when large amounts of votes are received in a short period of time.

Minor changes

- The option introduced in the previous version to determine how many bars to show in the chart had the side effect that after starting a session, all charts would show 0% for all answers, if the question had not been voted yet. In this version, that side effect has been removed. The charts will stay empty as long as no votes are available for that question.

Bug fixes

- When comparing or crossing a question, the question list dialog box would show the questions with their slide number as if it were their question number.
- When comparing questions a question might show up empty even though it has been voted. Whether a question showed up empty depended on whether a certain keypad had voted or not.
- Under some circumstances the Lite Base Station would not initialize when clicking the Initialize button. Clicking again would then initialize the Base Station without any problems.
- When using an RF-I Base Station, closing the voting would make the Base Station go offline.
- On some computer systems an RF-I or RF-II Base Station could not be initialized when connected to a real serial port. It could only be initialized when using a USB-to-serial converter cable.
- When pressing Ctrl+Alt+Up too many times, an Access Violation would occur.
- Printing a script to JPGs while crossing all slides would not cross the slides and give an Index Out of Bounds (-1) message when a slide without a question was encountered.

Version 4.4.11 – Released 12/16/11

New features

- The communication wizard was updated to support more COM-ports. It can now show a maximum of 16 ports, with any port between COM1 and COM64.
- The communication wizard now differentiates between RF-II channels and Lite channels. This is because even though the wizard tells you to select different channels for each Base Station, you can still use the same channel for an RF-II Base Station and for a Lite Base Station.
- Updated the communication plugins for the Lite Base Station and the RF-II Base Station. These new plugins perform much better when large amounts of votes are received in a short period of time. There is also a separate plugin for the RF-I Base Station.
- (IVS-Professional only) Added a new option in the Results menu called Multiple-choice Distribution. For a question that could be voted on multiple times, this "crossing" shows how the multiple choices are distributed amongst the audience. You can, for example, see how many people voted 1, 2, 3, 4, how many people voted 1, 3, 8, etc. The results can also be split in different references, like a normal crossing. Note that at this moment, the order of the votes is not taken into account. This means that if someone voted 1, 3, 8, and another one voted 8, 1, 3, and another one 1, 8, 3, this will all be the same.
- The results in a chart can now automatically be compared, crossed or distributed. In the properties of the chart, set the desired question in the Cross & Compare tab. Note that you can select either a question to compare with, to cross with or to distribute. You cannot have all three.

Also note that this setting is linked to the question number, and not the question itself. This means that if you add or remove questions, this question number is not automatically updated to reflect the new question number.

- If you have multiple charts on one slide, crossing, comparing or distributing will affect all charts. There is now an option to select a single chart, so that you can cross, compare or distribute only that single chart. Use the keys Ctrl+Alt+1 to select the first chart, Ctrl+Alt+2 to select the second chart, etc. Use Ctrl+Alt+0 to select all charts. Note that the first chart is the one that was first placed on the slide (the one in the background). Also note that this option allows you to select a single chart out of a maximum of nine charts.
- The properties of the chart have two new options to determine how many bars you want to show in the chart. For example, if you have 20 answers, you can set the first displayed bar to 1 and the maximum number of bars to 5, to only display the first five answers. If you then set the first displayed bar to 6 and leave the maximum number of bars to 5, you get bars 6 through 10. You can also use the new key combinations Ctrl+Alt+Down to move to the next set of bars, and Ctrl+Alt+Up to move to the previous set of bars. Note that the Ctrl+Alt+Down key combination is not limited. If you press Ctrl+Alt+Down 20 times, you also have to press Ctrl+Alt+Up 20 times to get to the first set. Also note that some display drivers use the Ctrl+Alt+Down combination globally to flip the screen upside down and Ctrl+Alt+Up to flip it back to normal. If this happens, please disable the key combination in your display driver options.
- Added an option to the properties of the question to have the answers ordered from high to low. This only applies to the order of the bars in the result chart. Normally, answer 1 is at the top and answer 9 at the bottom. If you enable the option to have the answers ordered from high to low, number 9 will be at the top and number 1 at the bottom. Please note that you have to make sure that the actual ordering of the answer texts matches the order of the result chart. This is not done automatically. Also note that because of this option, the 'Display answers next in rank' option has also changed. In previous releases, this option would rank the answers from high to low. It will now rank from low to high. To get the same behavior as in previous versions, also use the option 'Answers from high to low'. For older scripts, the 'Answers from high to low' option is automatically enabled when the 'Display answers next in rank' option is also enabled. For newer scripts, you have to do this yourself.

Minor changes

- After initializing the keypads without actually having initialized anything, you would still be asked to save the list or test the keypads. You will now only be asked to save or test if at least one keypad has been initialized.
- The field of type Result can now also display the supermajority of voters and participants (in this case two thirds of the total votes), the simple and supermajority of voters and participants rounded upwards (this equals half of the total plus one, rounded upwards) and the total result of non-voters.
- The field of type Network Status can now also display the total number of valid and invalid votes and the simple majority of the number of valid votes.
- Updated the drivers for the Base Station to version 2.8.14.0. These drivers are signed with a VeriSign certificate and a Microsoft Cross-Certificate, so that these drivers can also be used on the 64-bit versions of Windows. Also updated the Card Reader drivers to version 1.2.6.5. These drivers are WHQL certified.
- (IVS-Lite Link only) Added two checkmarks in front of the ID and Name field. When either of them is checked, the cursor will move to that field after programming a keypad. If none of them are checked, the cursor will move to the Name field if it contains text, or move to the ID field otherwise.
- Updated the bitmapped status LEDs in the status bar and the Communication Wizard to one drawn using GDI+.

- (Windows Vista and higher only) The application sets the Windows UI language to the current application language. This means that some basic Windows UI elements appear in the application language rather than the current Windows language. When you have installed any language packs (Windows Ultimate version only) in the application language, all Windows UI elements appear in the application language, rather than the current Windows language.
- (Windows Vista and higher only) Updated the application manifest to include the DPIAware property. This property indicates that the application itself takes care of scaling the application windows at higher DPI levels. Without this property Windows 7 would scale the application windows, which would make it look like a scaled bitmap image.
- Updated the Communication menu. The Initialize Keypads submenu was integrated in the Communication menu. The Restore Communication and Save List options were renamed. The 'Initialize keypads from list' option can no longer be used for a Lite Base Station, because this makes no sense. Use the 'Initialize all keypads' option instead.
- A new warning message is displayed when you load a list of initialized keypads while all connected Base Stations already contain keypads. The warning will not be displayed if one or more Base Stations don't have any keypads.
- The question if you want to load the last used keypad list will now only be asked if you use Lite Base Stations and no longer when you are using RF-II Base Stations.
- Fixed several typos and wrong translations in the various warning messages.

Bug fixes

- When a field of type Network Status was put on the background slide, it was not updated properly.
- When a field of type Network Status was put on the foreground slide, it was under some circumstances not updated properly.
- On computers with a higher DPI setting (higher than 96 dpi) the question and answer number and the text of the timebar were displayed in a bigger font size than the rest of the text. This has been corrected, but is still the case for texts in the chart.
- In the properties of the result chart, on the cross and compare tab, the settings for comparing were obscured by the settings for font size adjustment, on computers running with a higher DPI setting.
- When voting a group question, the group name of people that did not vote for a specific group was reset to an empty group instead of leaving that group name to the original name.

Version 4.4.10 – Rereleased 05/23/11

Bug fixes

- On Windows 7 computers that had a wrong version of wdrv.dll, reading the keylock would first try the USB and if not found, would also try LPT. Trying LPT would hang the dll, in effect hanging the entire application. This rerelease installs the correct version of wdrv.dll, always overwriting the version already installed. It also has more checks for wrong values in the registry, and only reads the keylock when all values are correct. It also changes a value in the registry so that the wdrv.dll will no longer try the LPT anymore (although this version shouldn't even be able to try the LPT anymore).

Version 4.4.10 – Rereleased 04/22/11

Bug fixes

- This version supports a new version of the proxy.xml, as well as being compatible with the standard proxy.xml. Unfortunately, the standard version was looking for questions nodes instead of question nodes. This would in effect make it incompatible with the standard version and wouldn't display proxy results anymore. This was changed back in this rerelease.

Version 4.4.10 – Rereleased 04/07/11

Bug fixes

- In the score field the total voting time was displayed with five decimal digits. This was for testing purposes only and shouldn't have ended up in the release version. This was reverted back to two decimal digits.

Version 4.4.10 – Released 03/09/11

New features

- The IVS-Lite Keypad Information tool can be used to check the battery status of the Lite keypads.
- Added the option to vertically align the text within the text box. The vertical alignment can be set up in the text editor, but it is only visible on the slide itself.

Minor changes

- The paragraph numbering option has been expanded with several new numbering options. They can be chosen from the drop down menu of the paragraph numbering button in the text editor.
- Added the 'Paste without formatting' option to the popup menu of the text editor. This option pastes any text from the clipboard in just plain text, removing any formatting options, so that the formatting of the original text is retained. The new paste option can also be accessed through the Shift+Ctrl+V shortcut.
- The option 'Absolute/Percentages' from the 'Results' menu does no longer simply change between absolute values and percentages. It now changes between absolute values if the original setting is something else, or percentages if the original setting is absolute values, and the original setting. For example, if the original setting is 'Percentage of total', you now change between absolute values and percentage of total.
- When a question that is set to display the results as 'Percentage of first vote' is crossed, the percentages are now based on the total number of first votes of the crossing instead of the total number of first votes of the entire population.
- The temporary license now shows how much time there is left for the license.
- The temporary license has been extended from a maximum of five days to a maximum of 127 years.
- The option to use a wireless presenter is automatically disabled when the software is closed.
- The option 'Cross/Compare to 100%' now also works when the results are displayed as 'percentage of first vote'.
- On Windows Vista and higher, the open and save dialog now support a favorite link. Also the Browse for Folder dialog has been replaced by an Open Folder dialog, because the Browse for Folder dialog does not seem to support network locations on Windows 7 anymore.
- Support for a new Proxy.xml version has been added. This version is simpler and can easily be maintained by Microsoft Excel. To use this new version, the document element tag must have a version attribute with a value of "2.0". Below the document element tag are a single set of Proxy tags with a question, answer and value attribute.
- (Windows 7 only) Added support for the taskbar jump list.
- Added a print plugin to print the slides to PNG images.

- The field of type 'Result' now has two extra options to display the simple majority of the number of votes and the simple majority of the number of participants.
- The field of type 'Result' can display the results of an answer in absolute values, percentages based on the number of votes and percentages based on the number of participants. The last two are the same for questions that can be voted on only once.
- In the properties of a question you can now also set the minimum times to votes. Anyone who votes less than this minimum amount will have all of his votes rejected.
- The field of type 'Network status' has three extra options to display the number of valid votes (for people who have voted at least the minimum amount of votes), the number of invalid votes (for people who have not yet reached the minimum amount of votes) and the simple majority of the valid votes.
- Moved the splash screen on startup slightly upwards, so that it won't entirely cover any message box that might also appear during startup. On Windows Vista and higher, under some circumstances, the message box could appear entirely covered by the splash screen. The application would seem to hang, because you were supposed to click on the totally invisible message box.
- Renamed 'Quorum' to 'Simple majority' because the value displayed is in fact the simple majority, which is not necessarily the same as a quorum.

Bug fixes

- The option 'Percentage of first vote' did not work correctly for questions that were crossed several times.
- The median value would often be 0.5 points too high.
- When inserting a new field, the 'Display', 'From question' and 'to question' were not filled in correctly.
- The Base Station Locator failed to link Base Stations to a COM port when the SERIALCOMM key was missing from the registry. This could happen on systems not having any real or virtual serial ports. A work-around is to create this key if it does not exist.
- Opening two different scripts, starting a session in both scripts and then closing one session could make the other session inaccessible.
- Ctrl+U to split a crossed question did not actually split the question when invoked from the presentation screen when the presentation screen was displayed on the same monitor as the edit screen.
- On an interactive slide with a very large background image an Access Violation could occur when the slide was very frequently updated due to a lot of incoming votes.
- On an interactive slide there was a memory leak whenever the result chart was updated.

Version 4.4.9 – Released 12/15/09

Minor changes

- Improved the window handling when opening an existing script or creating a new one. You won't see the window of the script get maximized any more.
- Updated the drivers for the Base Station to version 2.6.0.0. These drivers are signed with a VeriSign certificate and a Microsoft Cross-Certificate, so that these drivers can also be used on the 64-bit versions of Windows. Also updated the Card Reader drivers to version 1.2.1.2. These drivers are WHQL certified.
- The installation script for this version is created using Microsoft's WiX toolset instead of InstallShield express. This toolset requires an XML file describing the installation requirements, which is much easier to maintain.
- The drivers for the Base Station and the Card Reader are not only pre-installed, but are also installed for already connected devices and for phantom devices. This means that when a Base

Station is connected during the installation of the software, its drivers are automatically updated to the latest version. If a Base Station is not connected, but the drivers were already installed, it will automatically update its drivers once it's connected.

Bug fixes

- When the option 'Display mean' or 'Display deviation' was enabled, and the option 'last answer does not belong to total' was enabled, you would get a 'Range check error' if there were no results in your script. If there were results, you wouldn't get this error, however, after saving and reopening your script, it would still give this error and refuse to open your script.
- When the option 'Normalize to 100%' was used, the mean value and the deviation could differ from the real values.
- On Windows Vista or Windows 7, the application could hang when starting up. On Windows Vista 64-bit or Windows 7 64-bit, the application would only work the first time after a reboot. Any subsequent attempt to start the application would result in the application hanging at startup. This was caused by the keylock driver failing to read the keylock and hanging the entire application. An updated keylock driver prevents this, however, the new driver no longer supports the parallel keylock.
- Opening the voting on a question that had already been voted on would give an error message when the corresponding result file could not be opened. This would leave the status of the Base Station to 'Opening' which could never be changed anymore. Closing the application would solve the problem. There is now an extra 'File Error' status indicating something is wrong with the result files. This error can only appear when trying to open the voting. The voting will not be opened until the problems with the result file are solved.
- The default score, that can be set in the properties of the question, was not taken into account anymore.

Version 4.4.8 – Released 09/23/09

Minor changes

- Added an option to the Score field to only display the score, name, etc. when the total score is positive, i.e. someone has more than zero points.

Bug fixes

- (Lite Base Station only) The Lite Base Station not only sends legal votes, but also sends 'bogus' messages. These are filtered out by the communication plugin. However, the plugin would still send a message to the IVS software to indicate that a vote was received, which would lead to unnecessary screen updates.
- Whenever a vote was received, the entire screen was updated, even though it was already clear that nothing on the screen had changed. This would lead to unnecessary slow screen updates.
- When the timebar was set to Close the voting after so many seconds and Go to the next slide after so many seconds, it would immediately start counting down to go to the next slide instead of waiting for voting to be opened.
- When the aspect ratio was set to 16:9, an image used as the background for the slide would still be in a 4:3 ratio, which would make it look compressed.
- (IVS-Card Link only) After programming a set of cards, you could only check the card if it was still in the card reader. Once removed and reinserted into the card reader, it could not be checked any more.

Version 4.4.7 – Released 07/21/09

New features

- Added support for a license stored in the Base Station. Multiple licenses can be stored in multiple Base Stations and they will all be added up. Note that when a USB license is available, this one will take precedence and the licenses in the Base Stations will be ignored.
- Added support for a temporary license being less temporary. A temporary license can now last for as long as 128 hours (5 days and 8 hours). The actual duration can be determined by the license code.
- Added more preferences. It is now possible to set up an update checking interval. It is also possible to set up a Remote Presenter. This option allows for another shortcut key to be assigned to the 'Change voting' option in the 'Voting' menu, so that the Presenter can be used to open/close the voting.

Minor changes

- (IVS-Card Link only) Improved the card reader checking mechanism. This prevents the application from consuming about 70% processor time. This has been reduced to about 0% processor time.
- The Preferences dialog now checks each time to see if the monitor count has changed and updates the combobox accordingly. This prevents you from having to restart the application after setting up an extended desktop.
- The Score field now also calculates the score for a question that can be voted on more than once instead of only taking the first answer given.
- The option 'Cross/Compare to 100%' no longer prevents you from selecting anything else but percentages. You can leave this option enabled and still switch to absolute values. In that case the option will not be used, because it doesn't make sense for absolute values.
- Locking the presentation screen no longer reloads all objects on the slide. This means you can even lock the presentation screen while a timebar is running without the timebar starting over again.
- Crossing, comparing, splitting or showing the correct answer also no longer reloads all objects, so that an empty timebar stays empty when showing the correct answer.
- The keyboard shortcuts Ctrl+1 through Ctrl+0 to split a crossed question or to display the 1st, 2nd, etc. choice now also work from within the edit screen.
- The option to set a primary and secondary bar color in the properties of a question has been removed. Instead, you can now set up a maximum of five (IVS-Basic, IVS-ID) or ten (IVS-Professional) bar colors in the properties of the result on the template slide. This means that you no longer have to set up a single color for each question you ever want to compare with.
- The formatting of the question and answer number is no longer based on the formatting of the first character of the text, but instead on the entire formatting of the text. If this formatting is ambiguous, the formatting of the last character of the text (usually the CR/LF) is taken. The number is never underlined, regardless of whether you underline the entire text. The formatting and underlining is now according to how Microsoft Word formats and underlines paragraph numbers.
- Added a new action to the Advanced properties of a text object. This allows you to switch to the Risk Analysis application by clicking on a text object.
- The sound effects of the timebar can now also be set in the template.
- When a Base Station is not responding or was removed from the system, the notification window now includes the COM port of the Base Station that was not responding or has been removed from the system.
- (Keylock Update Utility only) Updated the UI so that it immediately shows for which software package the keylock can be used and up to which version. This is instead of having to first select the software package to be able to see the version.

Bug fixes

- Unable to load a list of keypads that were initialized on channel 0.

- When comparing questions that had an empty legend text, the legend in the chart would display 'Series0', 'Series1', etc. This has been changed to display 'Question #', where # is the number of the question.
- A question or answer without any text in it would not follow the text formatting as set up in the template slide.
- Importing a text script with a correct answer would not set the score to 1.
- (French version only) The text editor for entering question and answer texts was missing the images for the Bold (Gras) and Underline (Souligne) buttons.
- (Arabic version only) The Yes/No/Don't Know answer option was conflicting with the reading order option. Setting one would also set the other.
- The new status bar introduced in version 4.4.6 was being repainted 10 times per second, even though no changes in the status had taken place. Depending on your processor speed, this would drive CPU usage from anywhere between 10% to even as high as 90%. Repainting now only takes place after a status change, which drops the CPU usage back to 0%.
- Connecting both a Lite Base Station and an RF-II Base Station in that order would cause the software to go to Stand By as soon as the Lite Base Station was stand by, even though the RF-II Base Station could still be closing the voting. It was then possible to open the voting again, which would only open the voting on the Lite Base Station. Closing the voting would lead to an "Out of Memory" error. The software now waits until all Base Stations report Stand By.
- Using the option 'Percentage relative to first vote' would lead to ridiculously high percentages when the 'Vote weight for voting' option was also used. This was caused by the fact that the voting weight was not used when counting the number of first votes.