



## **VisionTools® Pro-e v6.2**

- I. VisionTools® Pro-e version history
- II. Introduction to VisionTools® Pro-e
- III. Regarding the use of foreign-language characters
- IV. PC requirements and recommendations
- V. Known bugs/issues in VisionTools® Pro-e

### **I. VisionTools® Pro-e version history**

#### **Important Notes:**

When creating/modifying Smart Graphics projects in this version of VTPro-e, Smart Graphics Controls 2.13. or later should be installed. They are available from the Smart Graphics section of the [www.crestron.com](http://www.crestron.com) website.

User-created themes must be in the directory C:\ProgramData\Crestron\Core3\UserThemes.

#### **version 6.2**

- Added support for Virtual Control.
- Fixed DNav crash when attempting to edit a DNAV object in the property grid.

#### **version 6.1.09**

- Added support for TSR-310
- If a project is being created for TSR-310, please use the following Software:
  - VTPro-e 6.1.09.10
  - Smart Graphics 2.15.00.10
  - Device Database 91.05.002

#### **version 6.1.07**

- Fixed a selection issue where the last object added to the project was set as primary object during multi-selection.
- Fixed a variety of focus related issues.
- Fixed an issue where multi-select would cause the property grid to redraw for every control on the page.
- Added a variety of stability improvements.

#### **version 6.1.05**

- Various stability improvements.
- Fixed – various focus issues.

#### **version 6.1.04**

- Added international support for DSP.

- Includes various stability improvements.
- Corrected copy\paste validation of Smart Graphics Controls.

### **version 6.1.03**

- Corrected issue interfacing with D3Pro and SystemBuilder.
- Corrected issue where importing SGD files into SIMPL would display an error related to the Help ID.

### **version 6.1.02**

#### **New Features**

- Added support for DSP devices.

Smart Graphics– additional improvements:

- Various stability improvements.
- Fixed – various theme bugs.

### **version 6.0.09**

Smart Graphics:

- Fixed bug were feedback stops working after theme switch.

### **version 6.0.06**

Smart Graphics:

- Corrected a build issue that could result in application instability.

### **version 6.0.05**

Smart Graphics:

- Various stability improvements.
- Fixed – various theme bugs.
- Improved Zooming capabilities
- Improved Synchronize states capabilities.
- Added compile time validation check for Smart Object CED\SGD generation.

### **version 6.0.02**

Smart Graphics

- Fixed bug where projects using international languages would not display correctly at run-time.

### **version 6.0.01**

Smart Graphics

#### **New Features**

- Added support for synchronize states.

- Added alignment support for Horizontal Center and Vertical Center to the alignment toolbar.

Smart Graphics– additional improvements:

- Various stability improvements.
- Fixed – various theme bugs.
  - Removed support for per page themes on new projects only.
    - o For backwards compatibility, existing projects that had per-page themes will still show the per page themes.
- Added support for run as for XPANEL 2.0 (Web) Smart Graphics.
- Ruler option for smart graphics projects was removed.
- Improved Zooming capabilities
 

**Note: Because of the improvements to zooming, previous VTPro-e versions will not zoom when using Smart Graphics 2.08, or later.**

### **version 5.9.05**

Smart Graphics

- Added support for DGE-100.

### **version 5.9.04**

Smart Graphics

#### **New Features**

- Added SSL support for Xpanel 2.0.
- Added Run As support to run for all Smart Graphics panels.

Smart Graphics– additional improvements:

- Various stability improvements.
- Fixed - Copy\Paste of subpages between projects always scale the subpage.
- Fixed - Crash when Generating Project Document.
- Fixed – Crash in windows 8.1 where the path to the project exceeded windows limitations.

### **version 5.7.04**

Smart Graphics

#### **New Features**

- Added support for Subpage Reference Lists.

Smart Graphics– additional improvements:

- Various stability improvements.
- Added support for visible and enable joins for subpage reference lists.
- Fixed – Subpage reference snapping to grid on load and copy\paste.

Known issues with Subpage Reference List control

- Themes

1. Earlier versions of the themes what were distribute with Smart Graphics package before Subpage Reference List was released do not include styles for Subpage Reference Lists. This will directly impact theme switching when using Custom themes.
  2. When dropping the control for the first time on a page, or subpage, it will drop with a back ground of a green circle. Once the control gets re-size it will correct itself. This is due to the theme missing the category attribute.
- Copy\Paste of all properties from one Subpage Reference List control to another Subpage Reference List control, in a different project, does not copy the subpage that is in used by the control.
    1. To avoid this, instead copy the subpage that is in use to the destination project first.
    2. To avoid this, instead copy the Subpage Reference list control to the new project.

## **version 5.6.06**

### Smart Graphics

#### New Features

- Added support for archiving projects. An archive will include the vtp and any or all the following files (compiled output, custom themes, custom controls).
- Added support for Quick Edit.
  - See topic “Quick Edit” in the help file for instructions on how to use this new feature.

#### Smart Graphics– additional improvements:

- Various stability improvements.
- Corrected issues with focus when using subpages.
  1. Fixed – When updating a control property on a subpage the focus would shift to the subpage reference.
  2. Fixed – Deleting a control from a subpage the focus will shift to subpage reference.
  3. Fixed – Changing page level themes on a subpage the focus will shift to subpage reference.
  4. Fixed – Project tree not highlighting the correct subpage\subpage-reference when focus shifted to subpage reference.
  5. Fixed – Property grid’s focus is set to the wrong control when switching between applications.
- Corrected issue where using Space Evenly Across/Down between objects on a Subpage causes its Subpage Reference to be out of sync.
- Corrected issue where using clear all joins was not clearing the page joins.
- Corrected issue where vtpro did not remember the last directory access when adding\replacing images on the resource view.
- Corrected issue where project was not set dirty when changing z-order on objects.
- Corrected issue where snap to grid is on and a change is made on an object, it snaps to the grid.
- Corrected issue where after save as, subpages can only be resized to max size of the previous original project.
- Corrected issue were inserting an item in the middle of the list would incorrectly start the list at index 0 instead of 1.

#### Non Smart Graphics

- Corrected crash that could occur when trying to draw a DNAV list object.

- Corrected crash that could occur when trying to select a graphic on a DNAV list object.

## **version 5.5.11**

### Smart Graphics

- Various copy/paste enhancements in property grid.
- Various stability improvements.
- Corrected issue where users were unable to add Dynamic Text after having two instances already in the text field, or having a space between them when created.
- Corrected issue where setting Dynamic Text to Bold or Italics adds extra characters to the text field.
- Corrected issue where Property Grid entries for Hard Buttons were not synced up with the actual Hard Button entries when the Hard Button Manager is not opened.
- Corrected issue where the source analog index in the video switcher control would not increment automatically when adding additional sources.

### Non Smart Graphics

- Corrected issue where VTPRO splash screen was being shown during SystemBuilder startup.
- Corrected crash that could occur when trying to modify the active or inactive graphic on a DNAV list object.

-

## **version 5.5.08**

### Smart Graphics

#### New Features

- Added support for copy\paste in property grid. The new functionality also allows copying across modes and states.
- Added support to preview modes and states by selecting them on the property grid.
- Added support for development using Dynamic list.
- Added support so that when a Save As is performed, the source project is closed and the newly created project is opened and expanded.

### Smart Graphics— additional improvements:

- Corrected issues with hard button manager when using folder mode.
- Corrected issue where copy\paste\delete\rename pages will not update page flip information in pages and controls correctly.
- Corrected issue where users were allowed to drag wav files to a smart graphics project.
- Added warning letting user know when the project path exceeds max recommended by window OS.
- Corrected issue where compiling a project containing sounds after an upgrade was prompting user with errors.
- Corrected issue where Video Switcher source analog index would not increment beyond Source #5
- Corrected issue where items to list were not added anymore once the list was set to 1 item.
- Corrected issue where controls were not been automatically selected when they were drop on a page.
- Corrected issue where the font could not be change via the Smart Graphics Font tool bar after performing a theme switch.

## Non Smart Graphics

### New Features

- MLX-3 projects now have ability to define which hard keys wake display.
- Pressing F12 now starts compile when in the Hard Button Manager or Remote Editor.

### **version 5.4.24**

Smart Graphics– The following improvements have been made:

- Added support for custom resolutions on Crestron App projects, to better support Crestron App for Android.
- Added error message to notify the user when a path is too long during compile time.
- Corrected issue where Xpanel projects were not applying correct page resizing. Subpages\controls were always being scaled.
- Corrected issue where hard button labels were not being displayed when performing a save as operation or copy\paste.
- Corrected issue where the scaling of bmp files was incorrect for Smart Graphic projects.
- Corrected issue where a streaming video URL with & got encoded to &amp.
- Corrected issue where property grid would remain empty while trying to view properties of a subpage-reference while in folder mode.
- Corrected issue where pages\subpages\subpage references would not display the folder path if viewed outside folder mode.
- Corrected issue where compiling a DPad with no label in the center button would not add a signal to the symbol in SIMPL Windows.
- Disabled the right click dialog for fonts in Smart Graphics projects. Smart Graphics fonts cannot be replaced while in the resource view. They have to be replaced in the theme.

### **version 5.4.17**

Smart Graphics– The following improvements have been made:

#### New development

- Added support for real time subpage reference update.
- Added a toolbar to manipulate font properties
- Added support for Right To Left language support.
- Added support for users to selectively choose control/subpage/page scaling during copy and paste.
- Added support for Simpl Windows to better manage CED files. Complete description of the changes can be found in the help file.
- Added support for Print to File menu.

Smart Graphics– The following improvements have been made:

- Various stability improvements.
- Open and update now occurs automatically. Users no longer need to answer prompt.
- Removed "Delete Project(s)" option.
- Font scaling limit of 12 pts is now enforced only if new panel resolution is not equal to original panel resolution.
- When importing resources that replace existing ones a "Yes to All" check box has been added to the dialog.

- Documented all new features in the help file.
- Enhance sound support.
  - Enforce sound length to be 10 seconds or less.
  - Only 25 sounds will be supported by project.
  - Existing projects will yield an error while compiling if they contain contains sounds longer than 10 seconds or if they contain more than 25 sounds.
  - **IMPORTANT:** VTPro-e does not support MP3 sound files with embedded artwork. Please remove the artwork to be able to play the sound file.
- Corrected issue where fonts were changing color during copy and paste.
- Corrected issue where subpage-reference was not updating on undo\redo of a copy\paste control.
- Corrected issue where copy and paste controls would display incorrectly on subpage-reference.
- Corrected issue where hard button data was not being copied across different panel types.
- Corrected issue that was preventing project open by double clicking.
- Corrected issue where changing page names was not updating the hard button page flip property.
- Corrected issue where copy/paste of subpages would reset text size to 12.
- Corrected issue where "&" sign in names of pages, subpages and images would cause project to not display correctly.
- Corrected Missing Sound Files error when compiling project on different machine.
- Corrected issue where a delete on a locked object is made permanent if an undo is attempted on the object first.
- Corrected issue where z-order changes were not causing project to get flagged as 'dirty'. The Save button would remain grayed out as if no changes had been made to the project.
- Corrected issue in HTML editor where user could not use arrow keys to highlight multiple words.
- Corrected issue in HTML editor where selecting all the text would create multiple <FONT> tags that were the same.
- Corrected issue where copy\paste was crashing in non-Smart Graphics projects.
- Corrected issues where Auto Save stops working.
- Corrected issue where conversion would not bring in subpage visibility digital joins.
- Corrected issue where the project would hold on to a path of an image that was no longer being reference in the project. This would cause compile to fail.
- Corrected issue where on a 32 bit Windows OS some sounds were not being properly decoded to validate length.
- Added warning regarding usage of more than one theme on TPMC-4SM/TPMC-4SMD/TPMC-4SM-FD/TPMC-4SMD-FD/TPMC-9/TPMC-9L/TPCS-4SM/TPCS-4SMD touch screens. Using more than one theme on these products is not recommended.

## Non Smart Graphics

- Corrected issue which caused a crash converting TPS-6L to Smart Graphics.
- Corrected issue where the list tab on MLX projects was missing a few tabs.

## **version 5.3.019**

Smart Graphics– The following improvements have been made:

- Added Rotation support for Crestron iOS Smart Graphics app.
- Vtpro now supports "Send Modified Files Only" functionality for Smart Graphics project uploads.
- Add "Update Control" as a right click menu item. This allows the update of Controls with no need to close and re-start VTPro-e. Select a control then Right Click to see the option to Update Controls.
- Enhanced Smart Graphics object browser with tree view.
- Corrected issue where subpages would snap to grid after save.
- Corrected incorrect behavior when using all joins functionality from the edit menu.
- Corrected issue where locked objects get unlocked after a project is close then reopen.
- Added an option to generate unique names to pasted objects. This option can be turned off from Applications Preferences.

- Project Conversion: Animation object in classic VTPro is now being converted to image object in Smart Graphics.
- Corrected issue where tabbing between controls locks VTPro.
- Corrected issue cause during open and updated on advance button.
- Fixed crash when using color picker while in classic vtpro.

## Non Smart Graphics

- Addressed issue where projects fail to open when they contain an animation object theme with one frame.

### **version 5.2.21**

Smart Graphics – The following improvements have been made:

- Added support for the new Crestron iOS app. Updated Crestron App project resolutions.

### **version 5.2.20**

Smart Graphics – The following improvements have been made:

- Various stability improvements.
- Numerous copy/paste and z-order improvements.
- Added fonts resize functionality when saving to a panel with different resolution.
- Corrected issue in property grid where images were not getting sorted in the image list.
- Corrected issue where projects where displaying incorrectly on panels after recompile.
- Corrected issue where subpage-reference where resize when move using arrow keys.
- Corrected bug causing Project-Cproperty class errors.
- Added logging information to track down crashes. After a crash dmp logs will be created and located in the same location as toolbox debug files. Vtpro dmp files will be name as follows  
vtpro\_v5.2.0.0\_2013.02.06\_09.40.59.dmp.
- Corrected issue where multiple open projects would cause VTPro-e to hang.
- Added an option to resize when copying subpages to a panel of different size.
- Corrected crash when using click assign.
- Save As ensures that embedded objects only get copied to the destination project if they are supported by the panel.
- Added warning message when embedded App's are removed during a 'Save As'
- A message is now displayed when the control source project has been closed and a paste operation has not taken place.
- Addressed an issue where project conversion was running out of memory.
- Addressed an open and update issue where several controls were failing to update.
- Addressed an open and update issue where vtpro was crashing during control update.
- Corrected issue with available project memory when switching projects.
- Corrected issue where a new subpage is created with index of -1.
- Several enhancements where made on the Join Manager for Smart Graphics projects. Enhancements include ability to search projects for a specific join number.
- A click assign dialog was added to support Smart Objects.
- Added the ability to remove all Smart objects joins from a page thru the edit menu.
- Added functionality to copy, delete, export, play and stop sound from the resource view.
- Corrected issue where the sound is not included in the Vtpro-e project file.
- Several fixes where made to the favorite folder on Smart Graphics accordion list. Any control can be moved or remove from the favorite folder. Vtproe will no longer clear the favorite folder on close of the application. Controls place on the favorite folder will remain until they are removed by the user.
- Added conversion from Non-Smart Graphics project to a Smart Graphics project feature. Work is continuing to improve conversion.
- Added ability to generate Project Documentation for Smart Graphics project.
- Corrected issue with copy/pasting page to a new project.
- Improved user messaging for error cases during compile.
- Corrected an issue with replace image functionality that could cause erroneous errors during compile.



- An EmbeddedApp now cannot be copied to a touch screen that does not support it.
- Prevent vtpro from crashing when the source project in a copy and paste operation has been closed prior to doing the paste.
- Added progress bar during “Delete Unused Images”.
- Corrected an issue where open and update would hang when two pages were selected.
- Improved behavior when selecting multiple controls to edit common properties.
- Loading speed enhancements.
- Added protections to prevent closing or exiting VTPro while a Save is in progress, to prevent corrupted projects.
- When editing control text/label information using the html editor, vtpro-e now reads the defaults from the themes for that particular control. The properties include (color/size/font).
- Hard Button changes made to a page in the Hard Button Manager will be immediately displayed in the property grid and vice versa at runtime.
- Fixed issue where only 1 CED was generated if there was more than 1 smart object of the same type per page.
- Fixed issue where HTML editor was set as top most

Remote Editor – The following improvements have been made:

- Corrected issue where under certain conditions the changes made in the Remote Editor would not be saved.
- Corrected issue with Weather title bar image.
- Corrected various issues with launching Help.
- Corrected issue where UFO-WPR-3ER Remote Editor wasn't showing highlighted field
- Corrected issue with all text not being selected during text edit.
- Corrected various other issues.

## II. Introduction to VisionTools® Pro-e

## III. Regarding the use of foreign-language characters

VTPro-e v2.0 has added improved support for displaying foreign-language characters on Crestron touchpanels. However, since some characters can have different meanings for different languages, you may need to specify which language you are using.

If you are designing pages using Japanese, Chinese, or Korean characters, you must edit the *vtpro.ini* file which is located in the same directory as VTPro-e. In this file, locate the [Language] section and edit it to the following (or, if your vtpro.ini file does not have this section, add it):

```
[Language]
FarEast=True
```

If you are using a language other than the three mentioned above, this property should be set to "False," which is the default value, or remove the [Language] section entirely.

## IV. PC Requirements and Recommendations

### Minimum required PC configuration

Windows XP/ Windows 8.1 /Windows 7: 500 MHz Pentium III processor  
 256 MB RAM  
 Internet Explorer 6  
 A display setting of “High Color (16 bit)”  
 800x600 screen resolution

## Recommended PC configuration

Windows XP/Windows 8.1/Windows 7: 1.3 GHz Pentium 4 processor  
1 GB RAM or more  
Internet Explorer 7 or later  
A display setting of "True Color (24 bit)" or higher  
1024x768 or larger screen resolution

## **V. Known Bugs/Issues in VisionTools® Pro-e**

- Beginning with version 3.9 of VisionTools Pro-e, the Browser panel type (aka e-Control 1) will no longer be supported. This is partly due to Microsoft ending support for the MS Virtual Machine, which was a component required by this panel. Version 3.8 was the last version to allow the creation of Browser projects. Users should now use XPanel (e-Control 2) for their web-based projects.
- Italic Japanese fonts with characters that lean to the extreme right may get clipped or have improper spacing. We are looking into this issue further but currently the only known workaround is to not use Italic for Japanese characters.
- While it is permitted to assign a transparent bleed color for a graphic that uses a JPEG format image, it is not advisable. JPEG is a lossy graphic format and may cause slight variance in the rendering of solid colors. Since the bleed color is assigned by RGB value, it is very difficult to get an accurate match.
- as of v2.3.x.x, SmarTouch programming is no longer supported by VisionTools® Pro-e. Both the SmarTouch Wizard and the SmarTouch Pro-Editor have been replaced by the SystemBuilder®. Users who have created SmarTouch projects and plan to create new ones or edit old ones in the future must keep a separate copy of an older version (v2.2.3.6 or earlier) of VisionTools® Pro-e installed on their PC for working with these projects.

VisionTools® Pro-e version 2.2.3.6 is available under the Archive Library section of the Crestron FTP site.