

## CHANGES IN TAJIMA DG16.5 BY PULSE.7660

The latest release of Tajima DG16 by Pulse includes a number of bug fixes and feature enhancements. The following sections summarize the specific new features and improvements.

### SYSTEMS SETTINGS

Tajima DG16 by Pulse is now supported on Windows 10 and 11 operating systems. Installation on computer with the Windows 7 or 8 operating systems is no longer supported.

### USER SETTINGS

#### Copy & Paste Needle Number Option

A new setting has been added to the User Settings–Environment page. This is the “Include needle setting when pasting segment settings” option, which applies to the “Paste settings” function. When it is enabled (the default condition) the needle number (a.k.a. thread color) setting is pasted into the new segment along with all the other “copied” settings.

However, you can uncheck the box to ignore the needle number, pasting only the other segment settings. By doing this, it preserves the color of the segment the settings are being pasted into.

#### User interface fixes and enhancements

**File Extensions missing from tabs** – In the design workspace, when multiple design files are open simultaneously, their file extensions have been hidden in some cases. The user interface has now been adjusted so these extensions will now always be shown.

**Adding text color changes on ribbon:** The tilde character (~) is used to insert color changes in between letters, when entered into the text field of the “Selection Settings” panel or “Segment Setting” dialog. Now, you can insert color changes by entering tildes in the text field on the ribbon as well.

#### Updates to Environment Settings

**Default to PXF Setting:** A new setting in the User Settings–Environment page controls whether designs will be saved by default as PXF. Note that this setting will be enabled, by default, when you first open the software. If you disable the setting by un-checking the box, the file format the “Save As” dialog will default to will be whatever was the last format that you saved.

### FILE FORMATS

#### Barudan file conversion

New functionality has been added to the Design Spooler to simplify the process of outputting Barudan stitch files. This functionality automatically converts Barudan files to TCF files when outputting to Tajima machines. It applies both when you are outputting via the barcode folder or via the “direct to machine” folder.

## Ability to read the \*.DSG format

Tajima DG16 by Pulse has been updated to be able to read the Sierra Era Stitch (\*.DSG) file type. These files can then be saved to any other available sewing machine format for output.

## SEGMENT SETTINGS

### Presser Foot Settings

The System Level availability of Presser Foot setting adjustments (on the Design Properties dialog) has now been expanded to include the Creator level by default.

### Applying Preset Sets

A new option allows you to apply complete Preset Sets to an existing design (previously, this was only offered when creating new designs via the New Document dialog). When the Preset Set is applied, all the presets included in it will be available on the drop-down list of presets next to the digitizing tools.

To apply a Preset Set to the current design, select a segment. Then, press Ctrl + E on the keyboard, and select Apply Preset Sets from the context menu. This will open a dialog with a list of your available preset sets.

### Generate Underlay Only

There is an option within the segment properties that allows you to sew out the underlay stitches for the selected segment, but without generating any of the corresponding top stitches. The “Generate Underlay Only” setting can be applied to the following segment types: Steil, Satin, Complex satin, Complex fill, Brush, and Fur stitch.

To apply this setting, select a segment (or segments) and check the “Generate Underlay Only” box on the Underlay settings—General page.

## ARTWORK TOOLS AND SETTINGS

**Clip Stitches tool – color update:** In this new build, selected segments will retain their original colors when you apply the Shape Artwork – Clip tool. Previously, when you applied Clip to differently-colored segments, the color of the resulting clipped segments would change to one color.

## DIGITIZING TOOLS

### Autodigitizer Tool Updates

**General Stitch Generation “fixes”:** The Autodigitizer Wizard’s stitch generation algorithm has undergone several changes to improve the fidelity of stitch generation. These include fixes that improve the discernment of the wizard when it is determining when it will generate satin versus complex fill stitches. Another change was made to improve the speed of the stitch generation process.

**Default thread type:** When digitizing a design using this Wizard, the default thread type will now be set to “metallic.” This will be the default setting for stitch generation when the selected thread palette is left as “RBG” (the default palette setting).

**Add Steil Borders:** This is a new option in the “Judgement” settings of the Autodigitizing Wizard. When enabled, any complex fill segments in the resulting design with an area larger than a set threshold size will have a 2 mm wide steil segment sewn around their borders.

**“Ignore Small Areas” Setting:** This is a checkbox within the Autodigitizing Wizard that will restrict the size of fill segments to which Steil Borders will be applied (only applies when “Add Steil Borders” is enabled, see above). This prevents the situation from occurring in which many short steil borders are generated around very small “islands” of complex fill. The “small areas” threshold is any area that is less than 100 mm square.

**Color merge style setting:** This is a new setting on “Tracing Style” page of the Autodigitizer Wizard. The Color Merge style setting allows the user to adjust the degree of color merging between segments of similar color value when the wizard is assigning different colors to the segments that it generates. There are four Color merge styles available: Aggressive, Auto, Light, and Standard.

## Enhanced Column Tool

The system level of this tool has been changed – the Enhanced Column tool is now available as standard at the Creator level and above.

## Multi-head Patches Wizard

There was a problem with importing font data into the multi-head patches wizard tool from Excel files; if “old style” fonts were included in the Excel files, they were not being read correctly. This problem has now been corrected, so that both old and new fonts can be used when importing data via these files.

## DESIGN EDITING TOOLS

### Brush Tool Editing

**Brush segment Start/Stop editing:** There was originally a problem moving the Start bead or the Stop beads within stitch segments created with Brush tools. This problem has now been fixed, such that it is now possible to click and drag these types of beads using the Select tool.

### Duplicate Tool functionality changes

The Duplicate Tool dialog has been updated to include two changes, which are intended to reduce the processing time needed to create the design preview. (Note: Press CTRL + click after duplicating a selection to open the dialog that contains these settings.)

- The “default” initial number of duplicates in the dialog has been reduced (to 0) so that only one copy of the select appears in the preview panel.
- A new “Auto update preview” checkbox has been added under the Preview window. If this setting is left unchecked, the design preview will NOT update automatically when you change the number of duplicates (to see the change in the preview window, click the Apply

button). On the other hand, if the “Auto update preview” button is enabled, the design preview will be updated immediately when you adjust the number of duplicates in the dialog.

## TEXT TOOLS AND FONTS

### Font Categories

Font categories can help you to organize your fonts into groups, to make it quicker and easier to find the one you want. There are default font categories, which are pre-loaded with the software, or you can create your own. In the latest Tajima DG16 version, the list of default categories has been expanded to include some new categories that were not installed in previous versions.

### Visual Kerning “Hide Pairs”

The “Hide unlikely kerning pairs” options in the Visual Kerning dialog are three options which are intended to reduce the number of letter pairs that will be kerned, thus reducing processing time. When one or more of these options is enabled, pairs of letters that unlikely to ever occur together will be hidden and therefore not processed by this tool. In the new version, the option to hide “Unlikely upper case to lower case pairs” will remain unchecked by default.

### New & Updated Fonts

Several new fonts are now available in Tajima DG16 by Pulse. In addition, a number of existing fonts have been updated for this new version, with new punctuation marks and/or international characters added.

**New fonts:** The following fonts have been made standard in Tajima DG16 by Pulse:

- Madison New

**Updated fonts:** The following fonts have been updated and new versions of them will now be installed with Tajima DG16 by Pulse.

- Banco
- Beatsville
- Bilky
- Block Rounded (Optional Font)
- Choc Ex
- Heather (Optional Font)
- Signature Script New

In addition, the following optional fonts have been made standard:

- Snow New

## UPDATES TO OPTIONS

### **Bead Option**

**Split Bead Fill into Lines:** This is a new “segment setting” when the Bead Fill option has been added to the software. It is an option to select any given Bead Fill segment and split it into individual lines of beads. This is available on the “context” menu; right-click the Segment, and select Process—Split into lines. Or alternatively, you can select the Convert tool, and then select Split into lines from the drop-down list.