

## CHANGES IN TAJIMA DG16 BY PULSE 16.1.2.7290

The following changes have been made in the latest version of Tajima DG16 by Pulse.

### USER INTERFACE

#### Default Properties Tab for the Selected Segment

The “default” tabs that will open in Segment Settings–Properties panel when a particular segment is selected have been changed in some cases. The default tab that appears in each case has been changed so that you will immediately see the most commonly-used settings for the selected type of segment.

These changes have been applied to the Satin Path, Complex Satin, Manual stitch, Appliqué, Sequin, Sequin fill, and Fur stitch segments, among others.

#### Fit to Window for Pasted Segments

When a segment was copied from one window in the workspace a different tab, the former behavior was to retain the absolute position from the original window that it was copied from. Sometimes, this will cause the pasted part of the design to be invisible, because those coordinates are “off-screen” in the new window.

The paste function has now been modified so that “Fit to Window” is applied during the operation. This ensures that the pasted segment(s) will always be visible in the new window.

### DIGITIZING TOOLS

#### Brush Segment New Tapering end style

There is a new setting available for embroidery segments created with the Brush tool. When a Tapering end type is selected (that is Start, End, or Both), the Tapering End Style option will become active; it determines the shape of the tapering end.



You can select either Pointed (green example above) or Rounded (gold image) from the drop-down list.

## Patches Tool – Start/Stop Position Setting

A new setting has been added to the Patch Settings dialog, which allows you to control the position of the start/stop commands in patch designs. This setting helps when your patch sew-out setup requires that all start stops line up at the same point relative to the frame (for example, when sewing out “stacked” patches).

To apply this setting, open the New Document dialog–Patches. Then, on the Patch Settings dialog, you can choose the Start/Stop position setting that is appropriate for your situation; selected either:

- Place all the start/stops in the center of the frame.
- Use the placement specified in the original design files.

Then proceed with the Patches procedure as normal.

## AutoDigitizing Wizard – Absolute Size Setting

The Tajima DG16 by Pulse Auto digitizer Wizard is a proven feature, which guides the user through the process of creating embroidery designs based on an existing image file. In the latest release, a pair “Final result size” setting have been added to the Wizard, which allow you to set the width and height of the finished design. Note that these fields apply independently of the “Cropping size”, which can also be adjusted as part of the same Autodigitizer step.

### Image Transformations



Select area to crop

Width: 189.8

Height: 132.0

Units: mm

Cropped size

Final image size

189.8

132.0

189.8

132.0

Select All

## Varying Bean Repeats Setting

A new feature has been added to Run stitch settings, called Varying Bean Repeats. Use this setting if you want to apply a pattern of bean stitches in which the number of repeats changes, depending on the position in the pattern. If you apply this setting to a bean stitch segment, it adds different number of bean repeats at each stitch in the pattern; for example, you can make the first stitch a 3-bean, the next a 7-bean, the third a 5-bean, and so on.

When the sewing gets to the end of the set pattern, it will repeat until the end of the segment is reached. The varying bean pattern can be between 2-6 stitches in length.

To apply a Varying Bean repeat, select a bean run segment, and open segment setting panel. Under Run settings, select Repeats. In the “Bean Repeats Style” field, select “Varying” from the list. Then, enter the pattern length and click the Bean Pattern button to open the Bean Repeat Pattern.

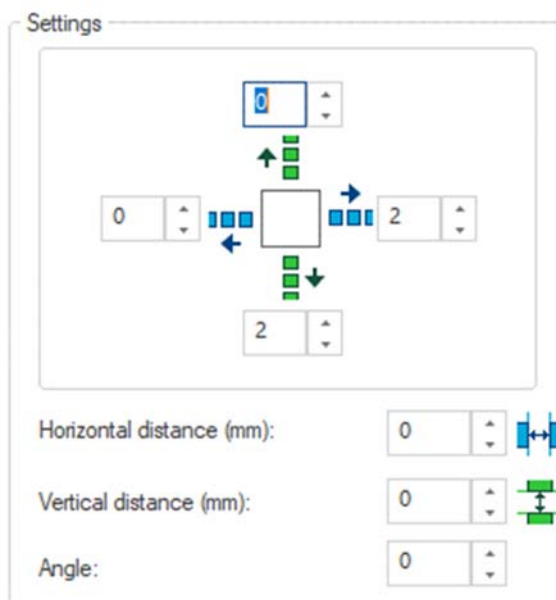


Click **OK** to save the pattern, and then click **Apply** or **Ok** on the segment settings dialog.

## DESIGN EDITING TOOLS

### Multiply Designs – Directions added for the “Number Across” and “Number Down” Parameters

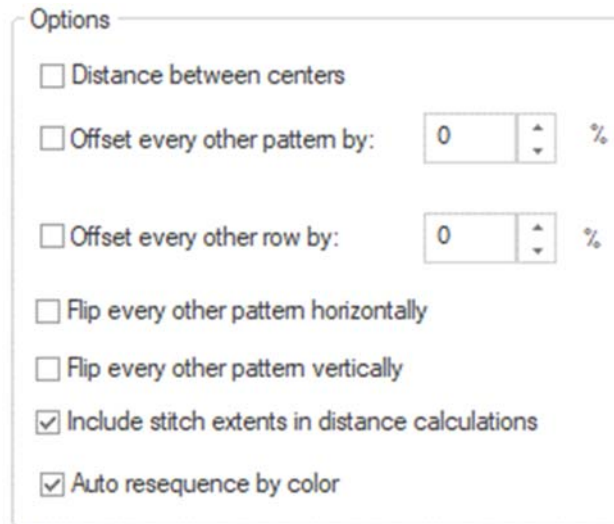
When creating a repeated pattern on designs, you can now set not only how many duplicates will be added, but also how they will be placed relative to the original selection. In the settings area of the Multiply dialog, you will see four new fields, one each for above, below, to the left, and to the right of the original. Simply enter the number you want in each direction, adjust other options in the dialog as required, and click OK to place the Duplicates.



## Multiply Designs – “Include Stitch Extents” Setting

When segments are copied and multiplied with the Multiply designs feature, the separation between duplicates will be based on the position of the outlines of neighboring segments. However, if the segment you are duplicating includes embroidery (e.g. a Steil), this may lead to overlapping stitches.

To prevent this from happening, you can check the “Include stitch extents in distance calculations” option. When selected, the distance calculations will be based on farthest extent of the stitches (away from the outlines), rather than the outlines themselves. This option is located in the Options area of the Multiply Design dialog.



## TEXT TOOLS & SETTINGS

### Editing Multiple Letters Simultaneously

An improvement to the selection functionality allows you to select multiple letters in text segment at the same time and edit them together. When selected in this way, the letters will be enclosed in a “Power Edit” text frame, and you can click and drag the frame handles to rotate, resize, and slant them.



You can apply this type of multiple lettering either to a series of consecutive letters, or to multiple non-consecutive letters.

- To select multiple **consecutive** letters, click on the letter bead of the first letter in the series you want to select, and then hold **Shift** while clicking the letter bead of the last letter in the series.

- To select multiple **non-consecutive** letters, click on the letter bead of the first letter you want to edit, then use **Ctrl** and click to select subsequent letters.

**Important:** If you want to move the selected letters up or down relative to the baseline, you must click and drag the letter bead of the selected letter, not the selection frame; dragging the selection frame merely moves the text segment as a whole.

## Inside Lock Stitch for Lettering

“Start Lock Inside” is a new setting in the text properties panel. When activated, it shifts the lock stitches a small distance inside the first letter of the text, so that it will be covered up by the top stitches when these are sewn. This ensures that the lock stitches will not be visible when the letters are sewn out.

To apply this setting, go to Segment Settings—Text tab—Connections, and check the “Start Lock Inside” box.

## Improved Anchor Point Editing for the Text Baseline

In previous versions of Tajima DG by Pulse, the anchor point editing tool was applicable only to text on a single line. This functionality has now been extended to work with Multi-line text segments too. When you select a Multi-line text segment, you are now able to use the Vertex Select tool to select and adjust (e.g. move, join, split, etc.) the anchor points of the base lines of each line of the text.


## Shrink to Fit Fix

In earlier builds of Tajima DG16, the Shrink to Fit tool was creating a problem when applied to Stepped text; for some fonts, Shrink to Fit has been causing the last letter of the text to be displaced far from the baseline. The function error that caused the displacement has been fixed in the latest version.

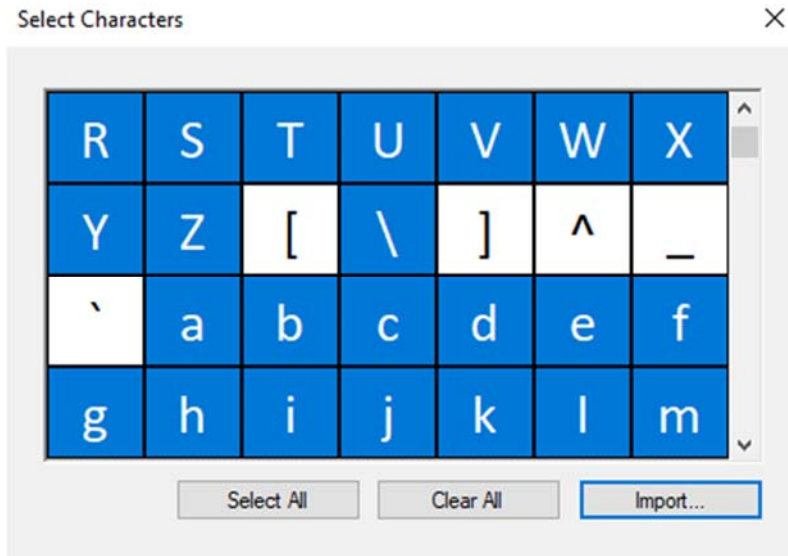
## Making Color changes using the Tilde (~)

In the text tools, the tilde ~ character can be used to insert a “hard” color change into a sequence of letters. In some situations, this key was causing the color change to appear in the wrong place in the sequence. This problem has now been corrected.

## Exporting Characters from TrueType fonts

Export Characters  is a new function on the Font Manager tab. Using this tool, you can export all of the Unicode values of the characters in a font, as a list. These Unicode values will be saved as a new file with the \*.FCS extension. The \*.FCS file that you have saved can then be imported during the process of creating a new font using the Font Manager. When you import the .FCS file into the new font, it will cause the same characters to be selected as were in the font that you exported from in the previous step.

To use the exported characters \*.FCS file in a new font: On the Font Manager tab, select “Add characters to the font—Import TTF.” At the “Select characters” step, click the Import button. Browse to the location of the \*.FCS file and open it. In the “Select characters” dialog preview window, you will now see that all the characters in the original font will be selected (provided that they exist in the current font).



## FONTS

### New Fonts

The following changes have been made to the Tajima DG16 by Pulse fonts:

- The fonts **Block 2 Comp Light**, **Casual New**, and **Condensed Serif New** have been added as standard fonts.

Block 2 Light

Casual New

Condensed Serif New

- **Sweet Pea** has been added as an optional font.

Sweet Pea

- Updated versions of **Evening News** and **Tail Script New** have been added to the install.
- **Industrial Script New** has been made a standard font.

## FILE TYPES

### New \*.TCF Support

The .TCF files type is now supported by Tajima DG16 by Pulse for exporting designs to laser bridge cutting machines.

### New Machine Types for EDF

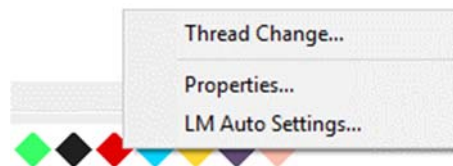
The EDF embroidery file type has been expanded and is now able to output to two new machines types, the TCWM and the TLMX. These formats allows you to create designs that include segment types that can be sewn out on Tajima TLMX or TCWM machines; these specialized machines allow you to incorporate Taping, Zig Zag, Coiling, Tucking, or Frilling segments into a design.

In order to expose the Lock Stitch Chenille chart in the Tajima DG16 by Pulse workspace, you must first set up the current design in one of the EDF formats. This can be done by way of the Machine properties dialog; select File – Machine Properties select one the following formats: Tajima EDF – TCWM or Tajima EDF – TLMX. When you select one of these machine formats, a new chart appears on the bottom edge of the workspace, to the right of the regular embroidery thread chart.



On this chart, these different segment types are color-coded, with each colored “diamond” shape corresponding to a different segment type - i.e. one for each zig-zag, one for frilling, one for taping, etc.

You can adjust the settings of each of these Lock Stitch Chenille threads by right-clicking on it, and selecting one of the following from the context menu.



- **Thread Change:** Opens a dialog that allows you to change the color of the “needle”, Set the behavior between steps (None/Auto color change offset/Forced Auto start) and set the Operation speed (in revolutions per minute).
- **Change Properties:** Opens a dialog which allow you to change the name of the select “needle.” You can also change the needle icon color by entering new values in the Color fields.
- **LM Needle Settings:** In the dialog, you will be able to adjust the commands that pertain specifically to the sewing type associated with the selected “needle” - for example, you can change the Nipple Stroke, the Lower dead point of the stroke, the ZigZag stroke, the operating speed, as well as other settings.

LM Command Settings (Command 8)

Bobbin: R

Sewing type: Zigzag 8 [Z8]

Zigzag stroke: 0 mm

Swing assist: 0 °

Behavior between steps:

- ☒ None
- ☐ Auto color change offset
- ☐ Forced auto start

☐ Auto data generation for Zigzag 5,7:

Material width: 3.0 mm

Movement: 0.0 mm

Nipple stroke: 0.0 mm

Nipple lower dead point: 0.0 mm

M-axis origin compensation: 0 °

Operating speed: 600 rpm

OK Cancel

Note: Warning messages have been added to the “Add to machine” procedure to warn users when an EDF design is being sent to an incompatible machine, or if an incompatible file type (non-EDF) is sent to the EDF-compatible machine.

## ARTWORK TOOLS & SETTINGS

### Background Select – Rotate by Reference

This was an issue with rotating a backdrop image using the Backdrop select tool. The problem was causing an incorrect angle to be applied when users rotated the backdrop relative to a reference line and has now been fixed.

### Open Image Dialog – PNG Files

In the previous versions of the software, there was an omission in the drop-down list of the Open Image dialog; PNG was not listed among the file types (although these types of images would open, when selected). The drop-down list has now been corrected to include PNG.

## THREAD CHARTS AND PALETTES

### Installed Thread Charts Renamed

Some of the pre-installed thread charts (those with the \*.tdb extension) were originally named with an arbitrary number, e.g. “thread\_1.tdb.” These charts have been renamed make it easier to identify them. The numbers have been replaced with the name of the manufacturers’ original thread chart name, e.g. “thread\_1.tdb” is now called “Ackermann - Isacord 30.tdb” and “thread\_2.tdb” is now called “Ackermann - Isacord 40.tdb” and so on.



## New Madeira Thread Charts

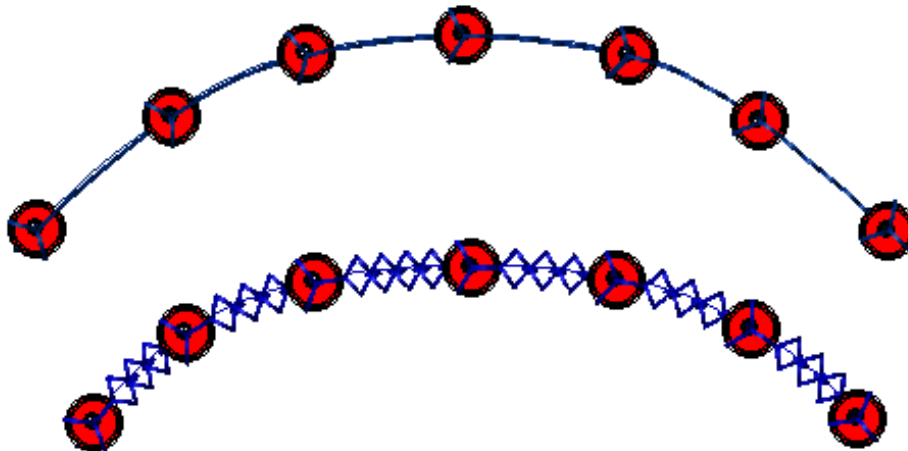
Two new Madeira thread charts have been added to the Tajima DG16 by Pulse install – 40 -weight Madeira Polyester CR Metallic 40 and 20-weight Madeira Polyester CR Metallic 20.

## SEQUIN TOOLS & SETTINGS

### New Freeplace Sequin Settings – Select Run Styles

For Freeplace sequin segments, the Segment settings dialog includes a Run Style field, which enables you to change that style of the stitches connecting the sequins. In addition to the standard, single-ply run stitches, you can also apply bean stitches or programmed run stitches to this segment type.

Choose the run style you want in the “Run Style” field on the Sequin Settings dialog – General page. When the “Bean” style is selected, you will be able to select the number of bean repeats for the connecting stitches; on the other hand, if “Programmed” is selected, you will be able to select the pattern, pattern spacing, and pattern size.



*Freeplace Sequin segments with bean run (top) and programmed run (bottom).*

### Sequin Fill “cut and jump” option

In the segment settings for Sequin Fill, a new option has been added that allow the digitizer to insert a cut in between rows in a Sequin Complex fill segment. When enabled, this setting will insert a cut at the end of each row in the sequin fill, and a jump will be added to move the needle to the beginning of the next row. The fill will then start sewing again as normal.

To apply this setting, select a sequin fill segment. In the Segment Settings dialog, select Sequin fill – General. In the Trim and Jump type field, choose one of the following options:

- No trim and jump (this is the default behavior)
- Trim and jump for run hitting sequin
- Trim and jump for all runs
- Trim and jump for all runs and connections