

## CHANGES IN TAJIMA DG16.5.7683

The latest release of Tajima DG16 includes an extensive list of bug fixes and feature enhancements. The following sections summarize the most significant new features and improvements of this latest DG16 release.

### MACHINE CONNECTION TOOLS

#### Tajima Connect Support

Tajima DG16 now supports a new machine networking protocol. Embroidery machines that support the Tajima Connect protocol offer an enhanced communication method, adding improved reliability when transferring embroidery designs and receiving production data. Consult your distributor if your machine supports Tajima Connect.

\*Note\*: DG16 continues to support Tajima's existing LAN networking protocols as well as Tajima Connect.

### USER INTERFACE UPGRADES

#### Security Device Update Wizard

The DG16 security device update wizard has undergone a number of changes to expand its functionality. It can now process new types of security renewal requests, including Wibu physical devices as well as file-based devices.

Users now have the option to select the type of update they need to perform on the Security Wizard dialog, and then select from a drop-down list the device number they want to update.

#### U/I Languages Updated

The User Interface has been updated for many languages, including Chinese (traditional and simplified), Czech, French, German, French, Portuguese, Russian and Turkish.

### SEGMENT SETTINGS

#### Corner Stitch Adjustment for Steil Segments

An adjustment has been made to the stitch generation process for steil segments. Previously, the stitches at a sharp corner would not necessarily be placed exactly at the corner. Now, in those cases where steil segments include sharp corners, the stitch generation will ensure that stitch penetrations occur exactly on the corners of the segment outline.

## E-stitch adjustment for Appliqué Corners

An improvement has been made to how stitches are generated for Appliqué borders. When the “E-stitch” border setting is applied, this ensures that the stitch penetrations will fall *exactly* on corners when the appliqué path includes sharp turns.

## DIGITIZING TOOLS

### Autodigitizer Wizard Updates

The latest build of DG16 includes a number of adjustments and improvements to the action of the Autodigitizer Wizard.

- **Stitch generation of Satin Columns:** The way in which satin columns are digitized has been optimized by including slice lines in order to give a better result at the ends of narrow columns (for example, in lettering).
- **Satin Column Width Range Extended:** On the “Automatic Segments” page of Autodigitizer Wizard, the range of values that can be applied to the Satin Columns in the design has been extended to a lower value. You can now use the slider on the “Automatic Segments” page to assign a width as small as 1.0 mm.
- **Setting to force capped ends:** There is a new setting on the Judgement Page of Autodigitizer Wizard, “Force Capped corners for sharp corner shapes”. This is an option (off by default), which, when enabled ensures the satin stitches at the end of narrow columns will default to a “capped” end. This is intended to give a more “finished” appearance to columns of this type.
- **“Include background” option:** A small change has been made on the Image Transformations page. The “Include background in dimensions” option is now set to “checked” by default. This ensures that the entirety of the background will be selected initially. You can “un-check” this option to deselect the background.

## DESIGN EDITING TOOLS

### Remove Islands Tool

The **Remove Islands** tool allows you to automatically fill in the spaces in any complex fill or artwork segment that includes one or more “islands” (i.e. enclosed unfilled spaces). After applying this tool, the resulting embroidery segment will be a seamless fill without internal spaces. To apply this function, do one of the following:

- On the “Auto” tab of the ribbon click the Remove Islands tool, or;
- Press CTRL+Shift+I on the keyboard.

## TEXT TOOLS AND FONTS

### Adding Lines to Multi-line Text Segments

New functionality has been added to multi-line text editing. It is now possible to use the **Modify Text** dialog to add one or more lines to these text segments. (It can also remove lines, if desired).

To make line additions/deletions, do the following: select the segment, right-click and select “modify text” from the context menu – this will open the “Modify text” dialog. In the text field of the dialog, press “Enter” for each new line of text you want to add. Blank lines can be added as well.

## **Class Manager for Visual Kernings**

This is a new option to Font Manager–Visual Kerning that allows you to group a set of letters into a “class” for the purpose of speeding the process of kerning a custom (i.e. user-created) font. When a such font is open in the Font Manager, you can open the Class manager under the “Kernings” option.

The Class option allows you to enter the set of letters that you want into the class and then save it. You can create any number of “classes”, just so long as each one is saved with its own unique name.

Once a class (or classes) has been created, you can use it to adjust kernings by selecting Kerning–Visual Kerning Pair Adjustment. This opens a new Visual Kernings dialog, in which you can select a character in the font, select a class, and then set the “kerning adjustment” between them. In this way, you can apply the same kerning values between the selected letter and all letters in the class in a single step. It is also possible to apply the kerning pair adjustment to all the letters in two different classes.

## **Updated Fonts**

- The existing “Industrial Script New” font has been updated to include some new characters that were not present in the original version.
- The “Brush Script” and “Brush Script New” fonts have had some letters re-digitized to correct the satin stitch results for certain letters.

## **Font Manager – Auto Kerning Updated**

In DG16, you can use “Manage–Fonts” to create new, original, custom fonts. These fonts may be created based on either embroidery files, or, alternatively, based on imported TrueType fonts.

Previously, there was an issue with kerning values for new fonts, caused by the fact that TrueType fonts and embroidery fonts calculate kerning in differently.

To manage the difference between these two kerning methods, we have created a new font file type, the \*.FO font type. This file type is used to save kerning values that are based on the TTF kerning calculation method. Note that this file type will also be used for any original font in which the kernings are imported from a TTF font using the “Import Kernings” functionality of the Font Manager.

For more information, please refer to the DG16 User’s Guide, under Text Tools and settings–Kerning Custom Fonts.