

SINGER®

Conversion Software User's Guide

The purpose of this User's Guide is to provide an understanding of the use of the Quantum® XL-6000 Conversion Software, explain its capabilities, and describe what it is intended to do.

What the Conversion Software is:

The Conversion Software is a tool designed to allow easy and direct transfer of pre-digitized embroidery designs from the PC to the Quantum® XL-6000 Sewing machine. Simply open the desired design from the Conversion software and transmit it to the Quantum® XL-6000 machine. Nearly all popular embroidery formats are available to allow to importing almost any design. Basic editing functions are included, such as Clean Up, Center or Change Color of a design.

What the Conversion Software is not:

The Conversion Software is not a program that allows creating or digitizing original designs. Stitch placement may not be altered in anyway. Stitches may not be moved, added to or deleted. The design may not be resized. Basically the design is exactly the way it appears on the screen.

How Conversion Software Communicates with Quantum® XL-6000:

The Conversion Software and the PC communicate with the Quantum® XL-6000 through a special serial port cable called a Null Modem Cable, (Singer Part # 270-10D1-20206 for 6-foot cable, Part # 270-10D1-20210 for 10-foot cable). This special cable is a 9-pin cable with both a male and female end, one for the PC and one for the sewing machine. The wiring in a Null Modem cable is configured in a way to allow communication to flow both ways between the two devices, the PC and the

machine. A straight serial port cable will not allow the information to flow back and forth. However, a Null Modem Adapter may be added to a straight serial port cable, creating the same effect.

Using a USB Cable:

A USB cable may be used. However, a USB to 9-pin conversion cable must be used. Unless Window[®] XP (or higher) is used, these conversion cables usually require that an accompanied software program be installed on the PC in order for the computer to recognize the cable.

As an alternative option, it is also possible to order a USB to Serial Converter from SINGER[®]. The SINGER[®] part number is 270 10U1-06101.

How to Use the Conversion Software:

Loading a Design –

- a. First, click on the **Open** icon on the horizontal tool bar.
- b. Select the desired design from the hard drive, floppy disk or CD.
 - Select the drive specific Drive in which designs have been stored.
 - Preview the design icons next to their names
 - If known, the name of the design can be typed into the *File* Text Box.
 - Select the type of file to be loaded, for example: psw or xxx.

Editing Features –

- a. Centering Design – The design will center according to the frame center. Click on **Modify** from the horizontal tool bar, click on **Center Design**.
- b. Clean Up – The clean up function deletes small stitches in your design, the length of which can be defined by typing the values in the dialog box. Click on **Modify** from the horizontal tool bar, click on **Center Design**.
- c. Changing the Thread Colors – This option allows changing the thread and screen colors used by the program.
 - Click on the **Stitch Colors** icon on the tool bar (looks like a “painter’s palette”). On the window which appears, select the color to be changed and then change it by selecting a different value from the color bar. Color intensity may also be adjusted. Colors can also be

selected with the use of the thread catalog. Select the thread palette and click on the Thread Palette button to view and select from the range of colors provided. Click on the OK to confirm the changes made.

- Change the background color simply by clicking on the related button on the “Colors” window (the little “TV screen”), then select the desired color for the background from the color bar and click on the OK to confirm the changes made.

Saving a Design –

- a. Save – Will allow saving the file under the current name.
- b. Save As – Will allow saving the file under a new name.

Printing a Design –

The Print function provides all the necessary controls needed to choose the exact set-up of the final printout. It also acts as a preview window for the final printed design. It is possible to manipulate and customize every aspect of the page or pages that will be printed. Click on the **Print** icon on the tool bar. Select the desired buttons to set up the page as desired.

Measuring a Design –

The Ruler function allows for measuring a design. Click on the **Ruler** icon. Click on one edge of the design, bring the cursor over to the other side of the design. The message in the status bar at the bottom of the screen will display the measurement of the design. Measurement can be displayed as metric or standard units. To change the unit of measure, click on the small box in the upper left corner (where the rulers meet) and select the unit of measure.

Enlarging the View of the Design –

The Zoom function allows for enlarging any part of the design on the Screen. It works by dragging a constant-shaped rectangle, (by using the mouse) across the area to be enlarged. Click on the **Zoom** icon, click, hold and drag the mouse over the area to be zoomed, and release the button.

Sending the Design to the Machine –

- Click on the **Transmit to Machine** icon.
- In the **Send to Machine Dialogue Box**, select the Port to which the sewing machine is connected.
- Define the **Bits per Second** parameter (also referred to as the “Baudrate”). This value defines the speed at which the Quantum[®] XL-6000 Conversion Software will transmit the design to the sewing machine and the speed at which the machine will accept it. The Bits per Second value at the software side has to have the same value as the “Baudrate value” at the sewing machine side, in order to be able to transmit a design to the sewing machine.
- Choose the 38400 setting.
- When ready, click on the **Wait to Send** icon. At the same time, go to the sewing machine and request to receive it. (Instructions below)
- Changing the Baudrate at the machine –
 - a. Select the **Help** key (the icon of “white book with the red ?”).
 - b. From the row of Pink Boxes at the right, select the bottom Pink Icon (the automatic settings).
 - c. Press the page back (the icon of “white book with the yellow page on the left”).
 - d. Select the 38400 setting.
 - e. Press **OK**.
- Receiving the design – From the Help Screen, press the pictogram of the “Computer”, the machine will request the design from the PC and transmission will begin. A progress bar at both the machine and the PC will indicate the action in progress.
- When all of the transmitted data is received, the progress bar will stop, indicating the transmission is complete. The design can now be used on the sewing machine side, in the same way as any other design read into the machine.