

Cotton Sock Designer Manual V1.0 4 Generation

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January, 12st, 2016

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1 Introduction

Thank you for choosing our production. Before you install and use this software, ensure you have read this manual carefully, the manual will help you to master how to install and use the cotton sock designer software.

The cotton sock designer software 4G is developed and tested by software team of Zhejiang Mind Robotization & Equipment Co., Ltd. This software is developed for assisting Sock Knitting Machine Control System, which has the function of automatic programming. It can generate a file with controlling data for sock knitting machine control system. The functions of sock designer software contains pattern design, chain edit, machine parameters setting, data transmission and so on.

2 Hardware requirement

OS: Windows XP/Vista/Win7 English system

Clock Speed: Intel Pentium 2G Hz or AMD Anthon 2G Hz above.

Memory: Above 1GB(2GB is recommended).

Disk: Above 256MB.

Display: 17 inches(resolution by 1280*800 is recommended).

Other: Has USB interface in PC.

3 Interface style

This software designed in Microsoft OS, so the windows, dialogs and other visible components in the software are similar with what we use in Microsoft OS. Pull-down menu, pop-up menu, toolbar menu, main workspace and prompt dialog make the operation convenient and easy. See figure 3.1.

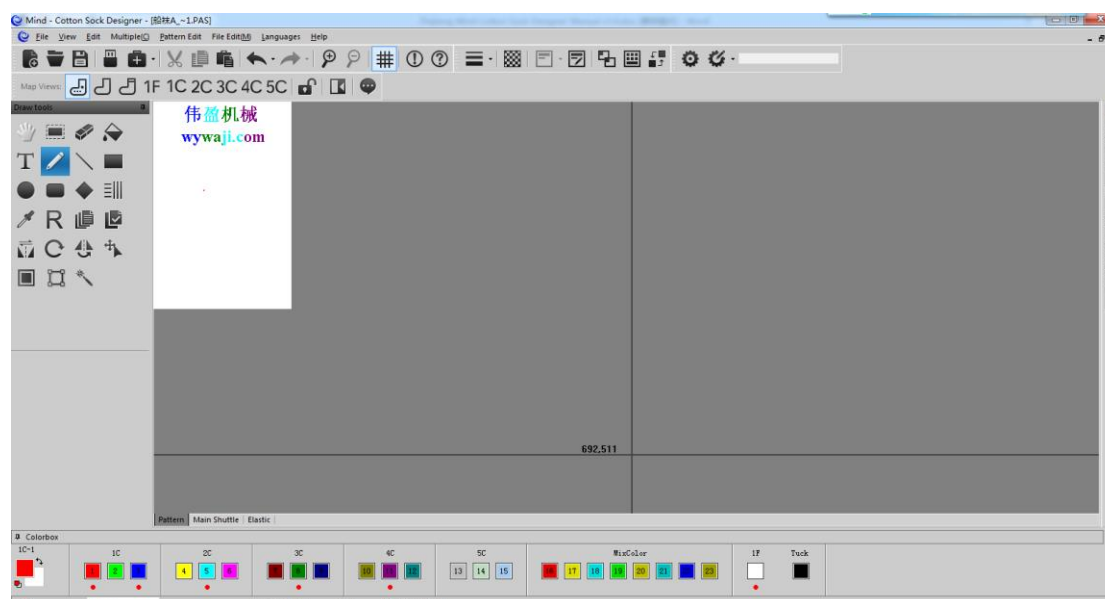


Figure 3.1 Main interface

4 Main function modules

4.1 Installation steps

When your PC is connecting with internet, input the website of “<http://www.hzmind.com>” in your browser, then you can download the software in the web. After download the RAR file, you can extract it to some folder in your PC, see figure 4.1.

Click the file “MindCottonSocks.exe” to run the software.

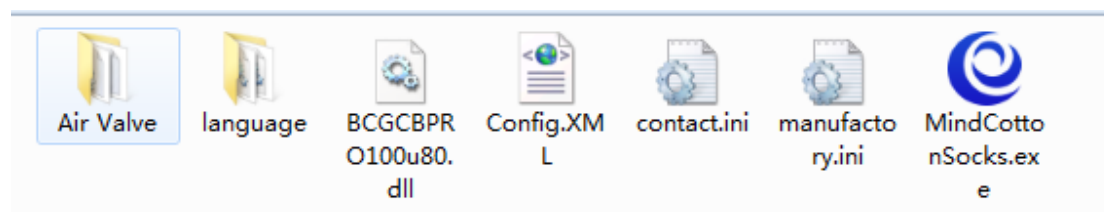


Figure 4.1 The software folder after extract the RAR file

4.2 Summary of painting designing

Click the pull-down menu and its submenu, icons of toolbar, this operation is good for pattern design. There are some units we need in painting the pattern: point, line, rectangle, oval, diamond and polygon. The software’s functions are like below: fill color, text input, color picker, rubber, repeated copy, selection copy, frame, cutout,

magic wand and so on. The functions make the operations like select copy, color fill, rotate, insert or delete line/row, swap color, delete, cut, paste much more convenient.

5 Toolbar

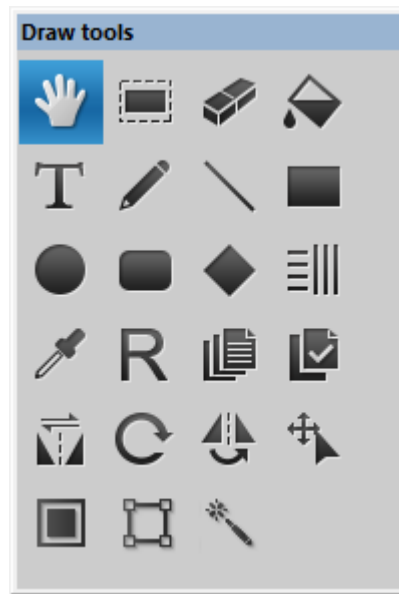


Figure 5.1 Toobar icons

Toolbar is in the left of software, it provides the basic and common tools use in painting, which contains move, select, eraser, fill, text, pencil and so on. Following contents will show you how to use them.

5.1 Move



Not selected



Selected

Choose: Click the icon of “Move” in toolbar with left mouse button, the icon vides supra. When the icon is selected, the background color will turn to mazarine.

5.2 Select



Not selected



Selected

Choose: Click the icon of “Select” in toolbar with left mouse button, the icon vides supra. When the icon is selected, the background color will turn to mazarine.

Operation: Choose an rectangle area in workspace, you can drag the area you selected, also you can copy it for pasting next time, see figure 5.1.

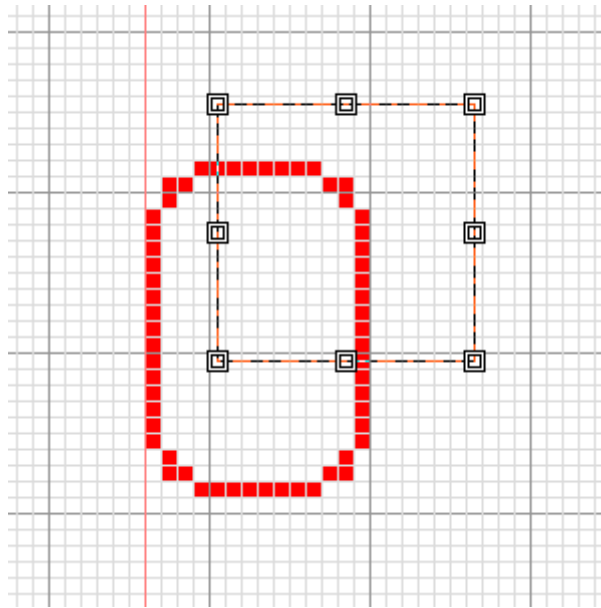


Figure 5.1 Operation of select

5.3 Eraser



Not selected



Selected

Choose: Click the icon of “Eraser” in toolbar with left mouse button, the icon vides supra. When the icon is selected, the background color will turn to mazarine.

Operation: Move the cursor to the position where you need in workspace, long-press left mouse button and drag it, then the area’s pattern will be erased.

Setting: You can set the size of eraser. Click the icon for setting line widths, then select an item in pull-down menu, see figure 5.2.

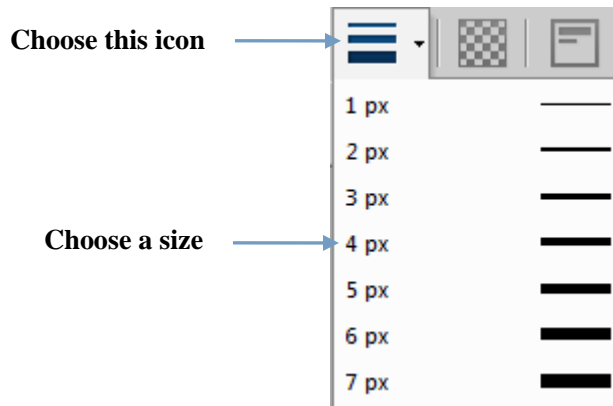


Figure 5.2 Setting of eraser size

5.4 Fill



Not selected



Selected



Three modes of fill: normal fill, clipboard contents fill and shape fill.

Choose: Click the icon of “Fill” in toolbar with left mouse button, the icon vides supra. When the icon is selected, the background color will turn to mazarine.

Operations

① **Normal fill:** Choose a color in Color Bar, then you select an area in workspace, click the mouse, the area will be filled with the color you selected, see figure 5.3. If you don't select any area, the color will fill the whole area except some closed areas.

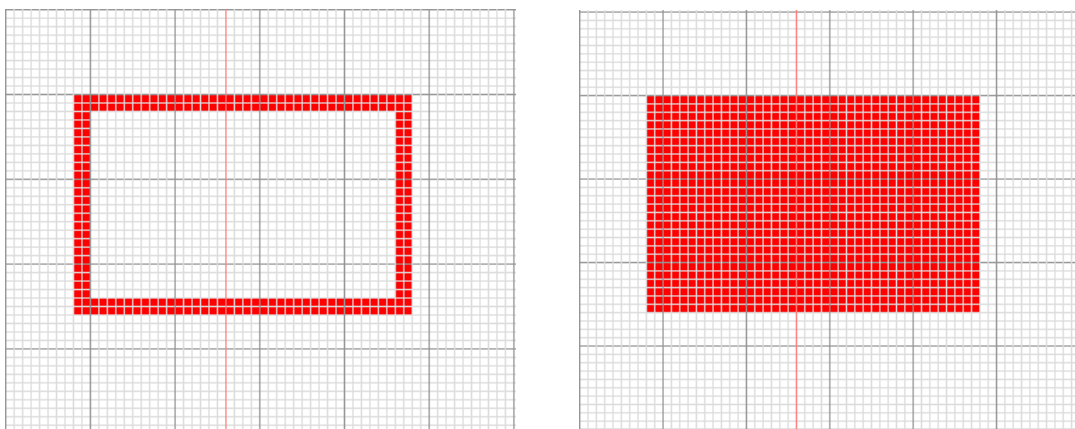


Figure 5.3 Normal fill
(Left: A rectangle. Right: The filled rectangle)

② **Clipboard contents fill:** If you have some contents in your clipboard, when you select this mode, the area will be filled with your contents in clipboard, figure 5.4 shows the clipboard's content is an angle of a rectangle. The related operations are same as normal fill's operations.

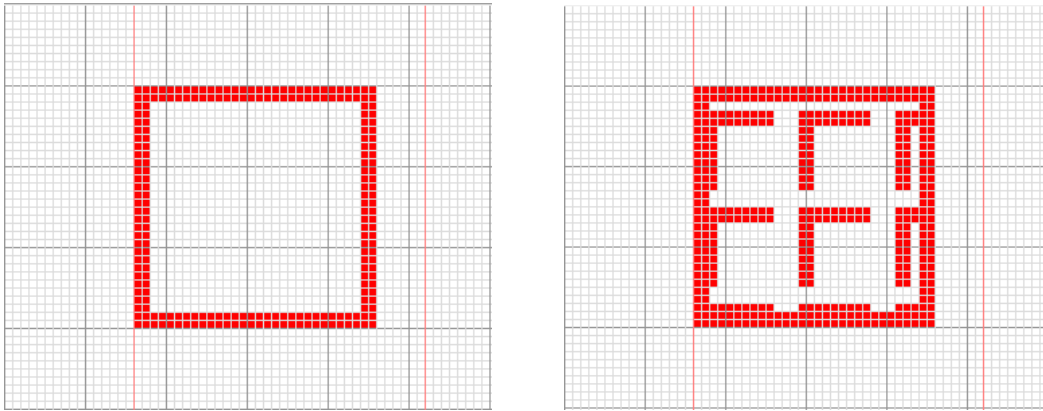


Figure 5.4 Clipboard contents fill

(Left: A rectangle. Right: The rectangle filled with clipboard's contents)


③ **Shape fill:** Choose the icon  in "Draw Settings" toolbar, select a mode, see figure 5.5. If there is no mode, you can see the contents in "6.5 Pattern Edit". In figure 5.6, the area will be filled with the shape in the mode. The related operations are same as normal fill's operations.



Figure 5.5 Choose the mode of shape

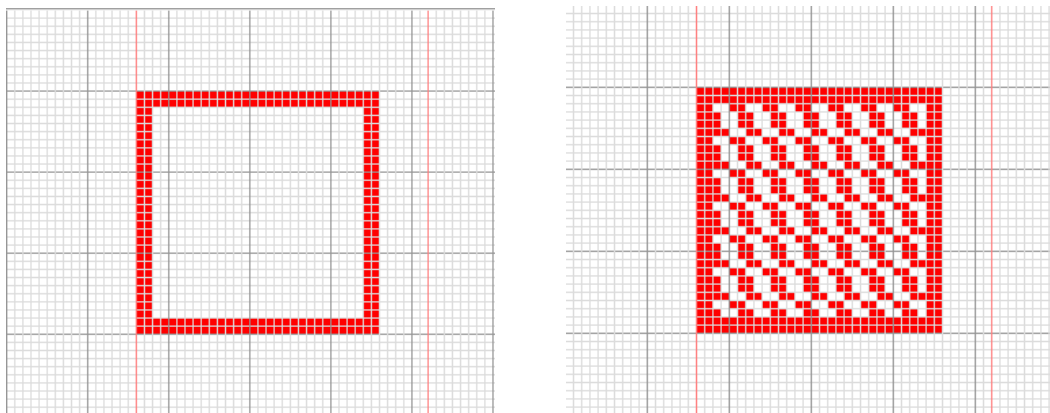


Figure 5.6 Shape fill

(Left: A rectangle. Right: The rectangle is filled with a shape)

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