

StitchSketch User's Manual

Ver. 1.0

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Overview

StitchSketch (previously called KG-Chart Mobile) is developed by Keiji Ikuta, a creator of popular software program "KG-Chart for Cross Stitch".

Mobile version utilizes intuitive "touch" user interface of mobile devices. It is now possible to design and browse charts anywhere. Using touches or stylus pen, it is more intuitive to draw or paint a chart.

- Design your own chart for craft works such as:
Cross Stitch, Bead Weaving, Iron Beads, Knitting pattern
- This is also suited for drawing "dotted" pictures, such as icons in low resolution
- Draw chart with a symbol in a cell
- Maximum chart size is 64 x 64 (As of ver. 1.0)
- Pinch to zoom
- Rectangular cell size
- Real view to simulate finished image
- Undo / Redo
- Drawing tools: Pencil, Rectangle, Ellipse, Flood Fill
- Selecting Tool: Selection and Cut/Copy/Paste/Rotate/Flip/Stamp
- Edit colors and symbols
- Save or Email a chart as native format or PNG image
- Generate a chart in PDF for emailing or printing.
- Organize charts with thumbnails

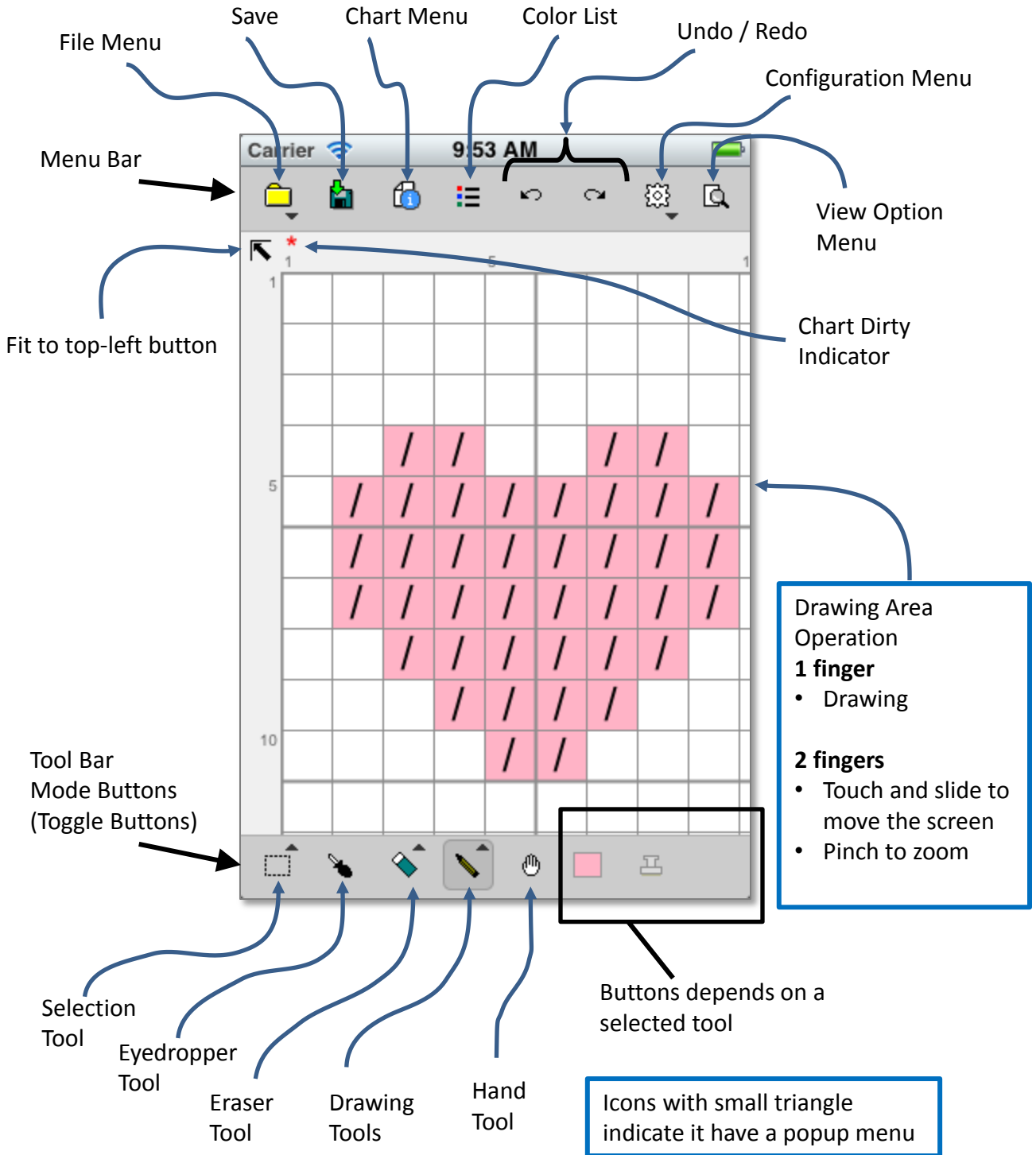
Hopefully you will enjoy this program creating your own wonderful charts!

5/7/2012
Keiji Ikuta

System Requirement

- iOS version
 - iPhone / iPad / iPod
 - iOS 5 or later
- Android version
 - TBD
- Windows Phone version
 - TBD
- Windows 8 Tablet version
 - TBD

Main Screen



Drawing Tools

Select the drawing button

Color Palette Button
→ Color Palette

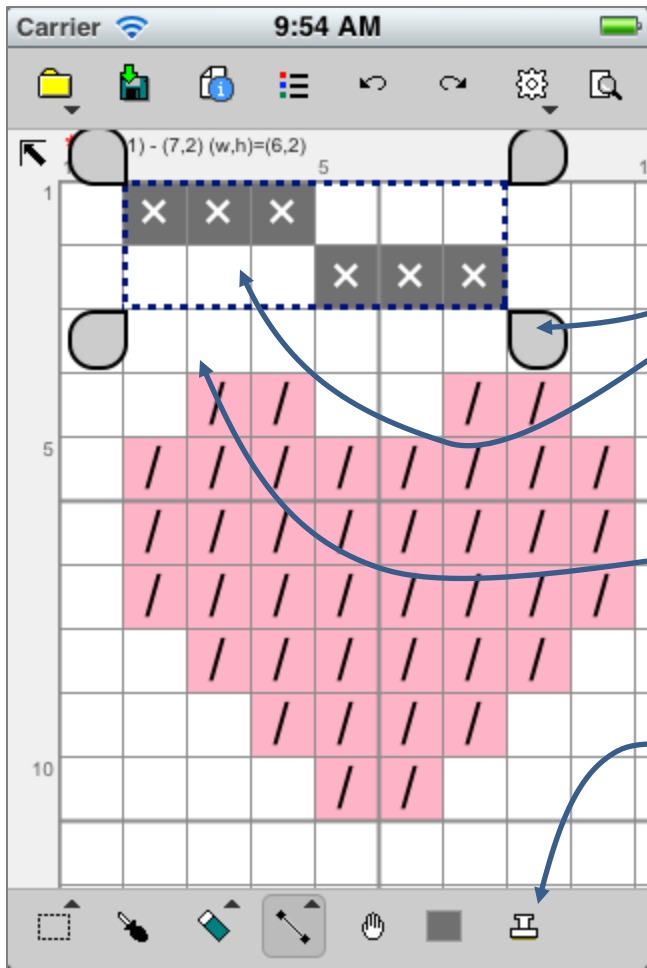
• When the drawing button is selected, **touch it again** to show a popup menu for more tools.
• Touch outside the menu to close the popup

Drawing Tools

- Rectangle (no fill)
- Rectangle (w/fill)
- Ellipse (no fill)
- Ellipse (w/fill)
- Pencil
- Line
- Flood Fill

Drawing Tools

Box Type Drawing Tools



Box Type Drawing Tools (Rectangle, Ellipse, Line tools), touch and drag to draw the shape. Then, it shows a frame and handlers to adjust the shape.

You can touch inside "drawing box" (The box with dashed line) to move the shape.

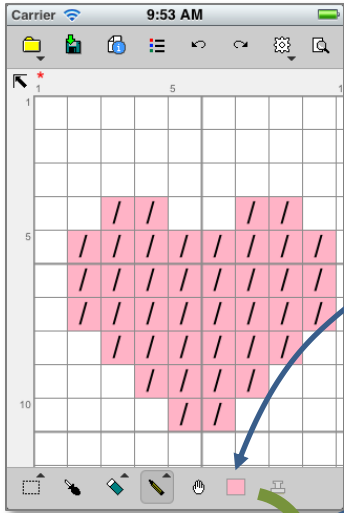
To finish the drawing, touch outside the drawing box

You can also use a "Stamp" button to draw the shape multiple times.

So, to draw same shape many time:

1. Draw a shape
2. Adjust/Move the shape
3. Touch "Stamp" tool
4. Move the shape
5. Touch "Stamp" tool
6. Repeat!

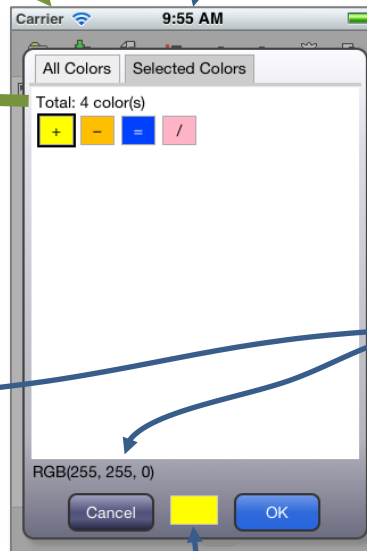
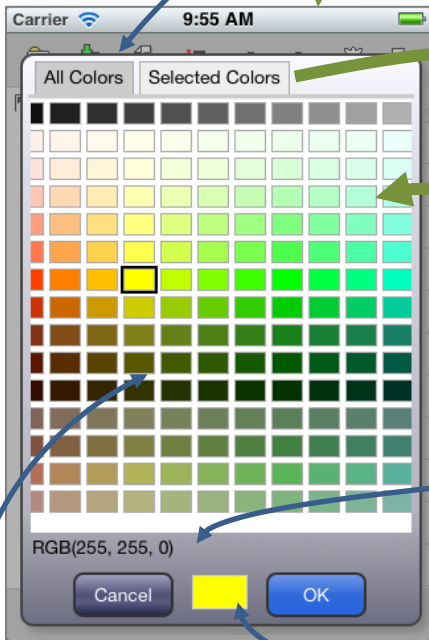
Color Palette



Color Palette Button

"All Colors" tab shows all available colors

"Selected Colors" tab shows only colors used in a chart

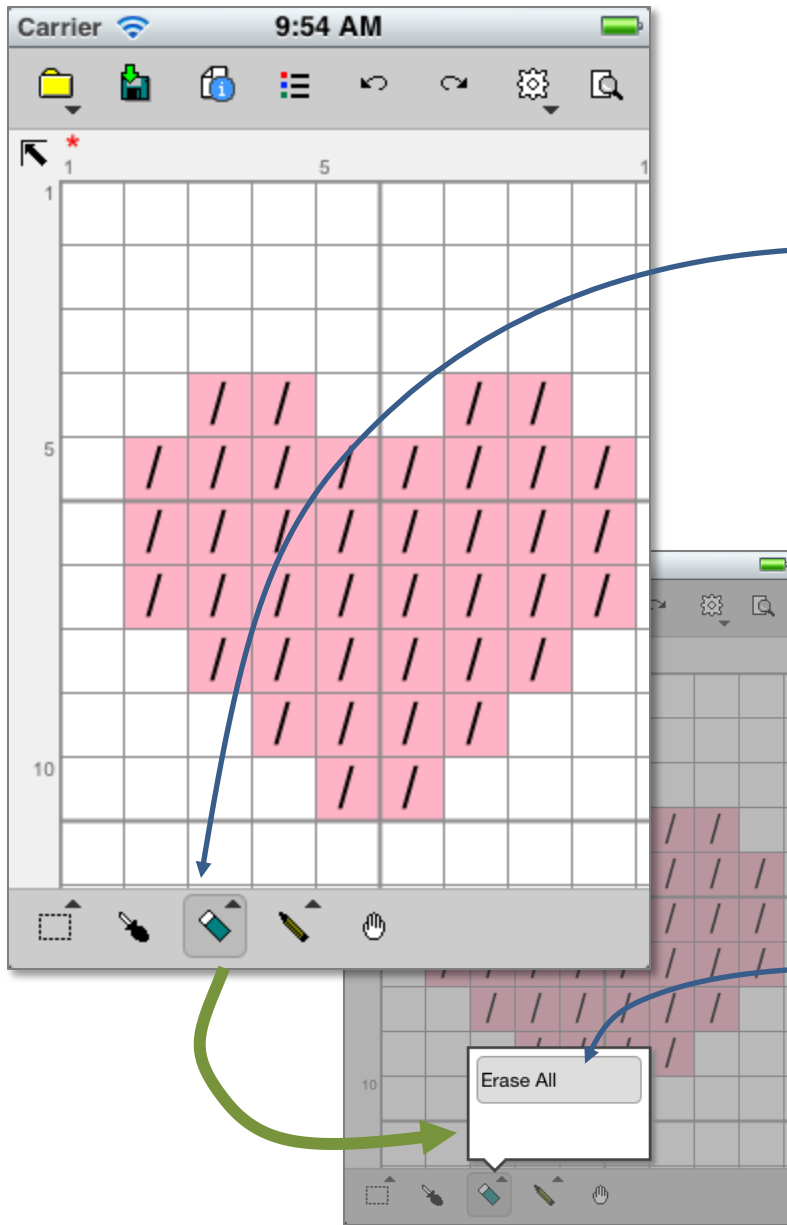


Selected color's RGB value

Swipe horizontally to scroll more colors. It loops based on hue of color.

Selected color shows here

Eraser Tool

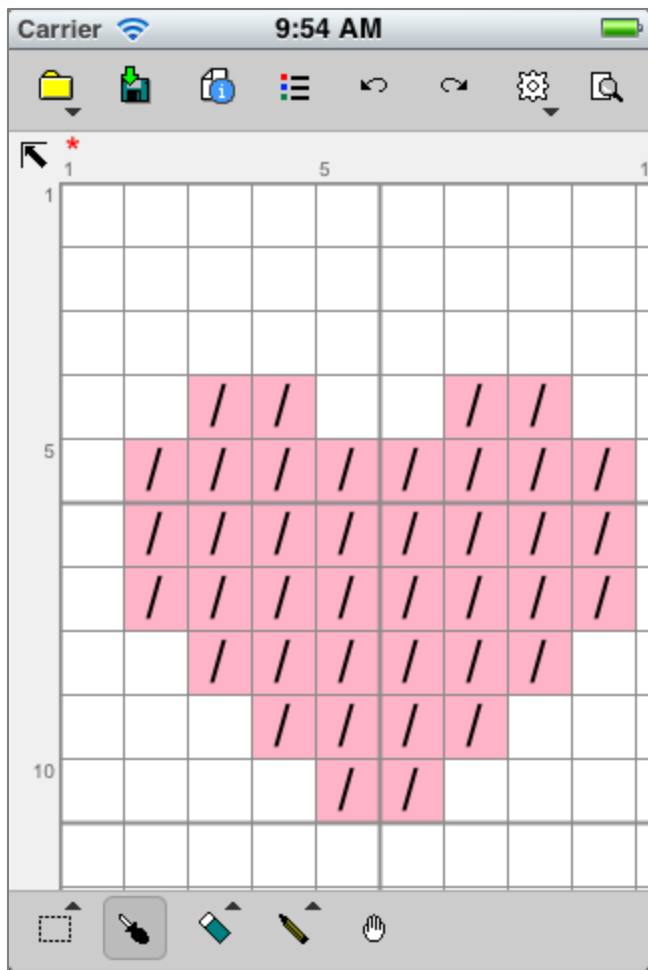


To erase, use this tool.

Be aware, that “Eraser” is different from “drawing with white”. (Eraser erase the pixel data, while drawing with White draws pixel. If you select viewing option with Symbol, it should be clear what this means)

- When the eraser tool is selected, **touch it again** to show a popup menu for more tools.
- Touch outside the menu to close the popup

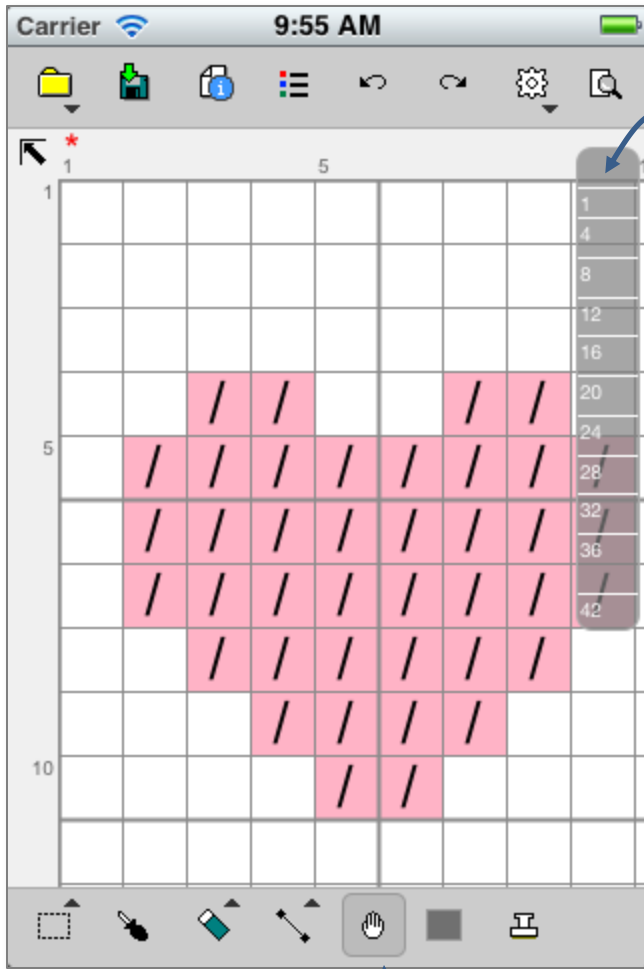
Eyedropper Tool



User this tool to select a color from the chart

Touch drawing area, and the color will be selected. Once its color is selected, it goes back to a previous drawing tool.

Hand Tool



Zoom bar
Touch to zoom

Operation

1 finger

- Move the chart

2 fingers

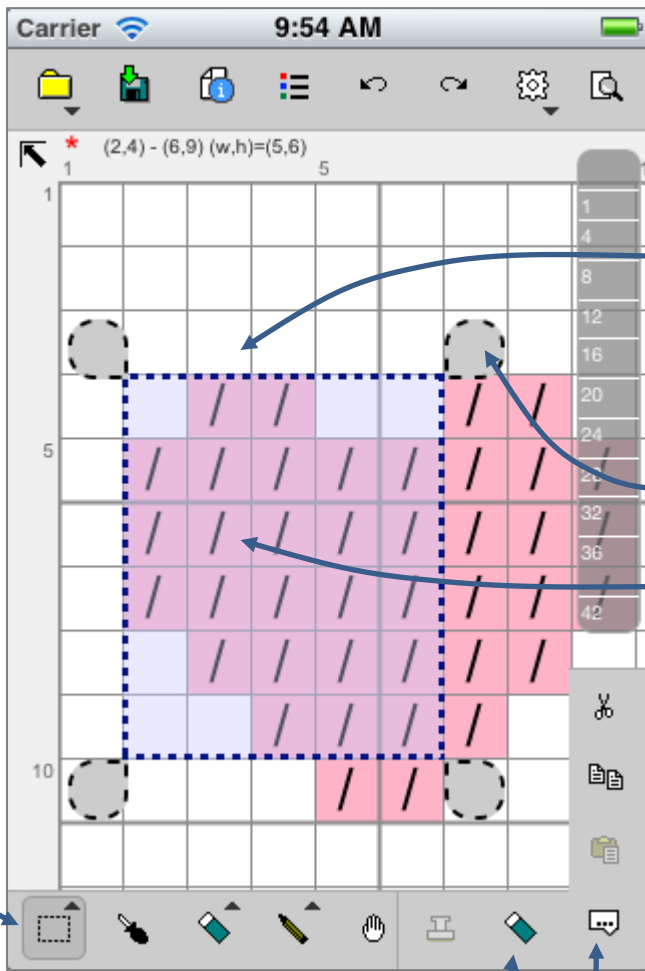
- Touch and slide to move the screen
- Pinch to zoom

Use this tool to navigate the chart

When your chart moved and lost, use this button to bring it back to the top left corner of the screen

Selection Tool

Use this tool to select a part of the chart and process it.



Touch and drag to select a region.

Once selected, you can adjust the selected area by using handle, or drag the selection frame by dragging the selection box (the dashed line box)

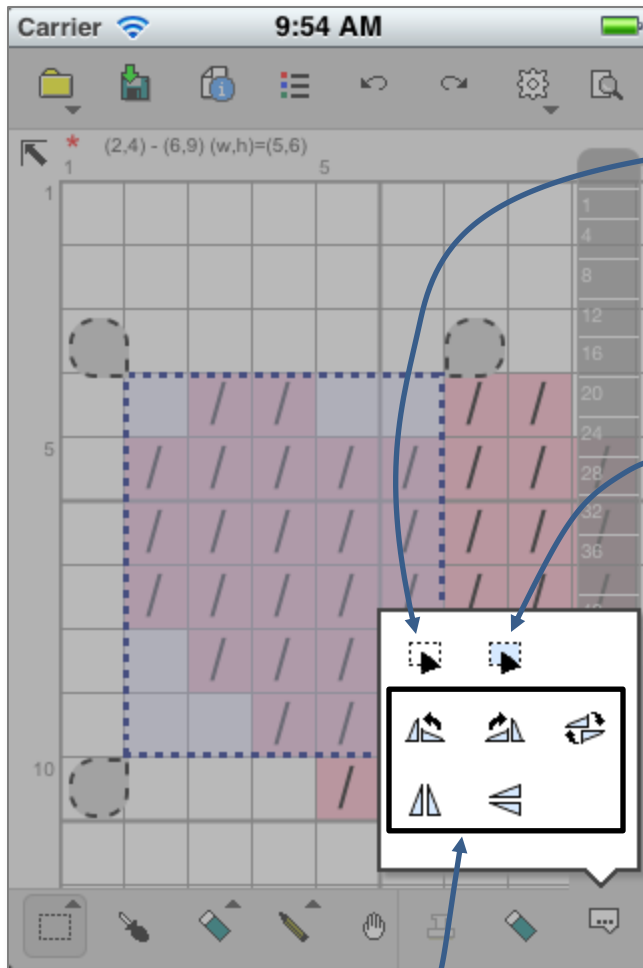
Notes:
At this point, it is "selecting" mode, meaning adjusting and moving is for the "selection frame" (The selected area won't change)

Erase selected area

Cut / Copy / Paste buttons

Selection Process Menu
Touch to show a popup menu

Selection Mode/Process

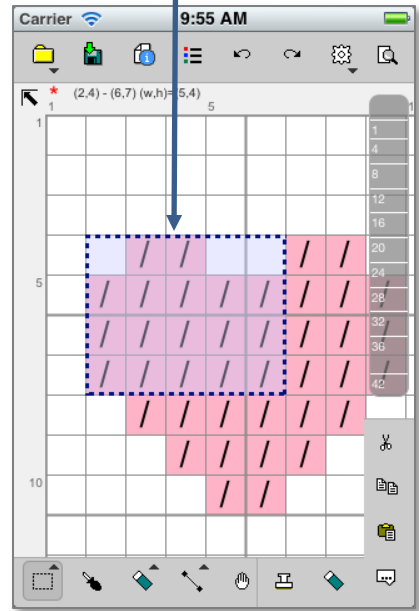


Use this to switch to "selecting mode".

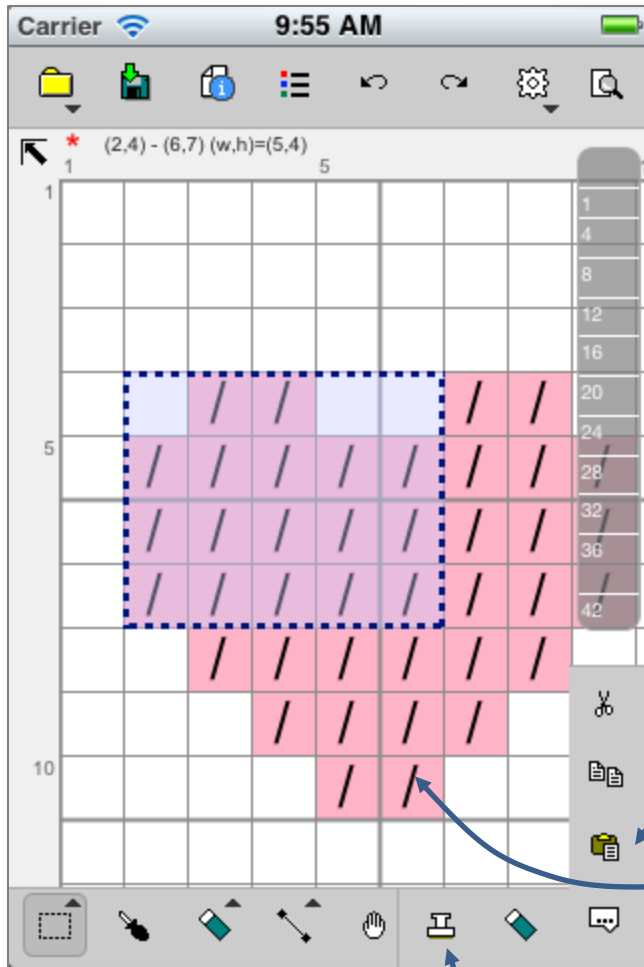
To move the "selected area", use this icon to switch to a "selected region adjustment mode". The handles disappear. At this mode, you can drag to move the selected area.

You can use these commands to process the selected area:

- Rotate Left
- Rotate Right
- Rotate 180 degree
- Flip horizontally
- Flip vertically



Selection Mode/Stamp



“Paste” paste a copied/cut image onto a chart. Now, it is **“selected region adjustment mode”**. At this point, the pasted image is not yet pasted on a chart.

The handles disappear.

At this mode, you can drag to move the selected area.

To finish the paste action, you need to click outside the selection box.

You can use “Stamp” tool now to “stamp” the pasted image. This makes it possible to create multiple pattern based on the selection.

Selection Tool

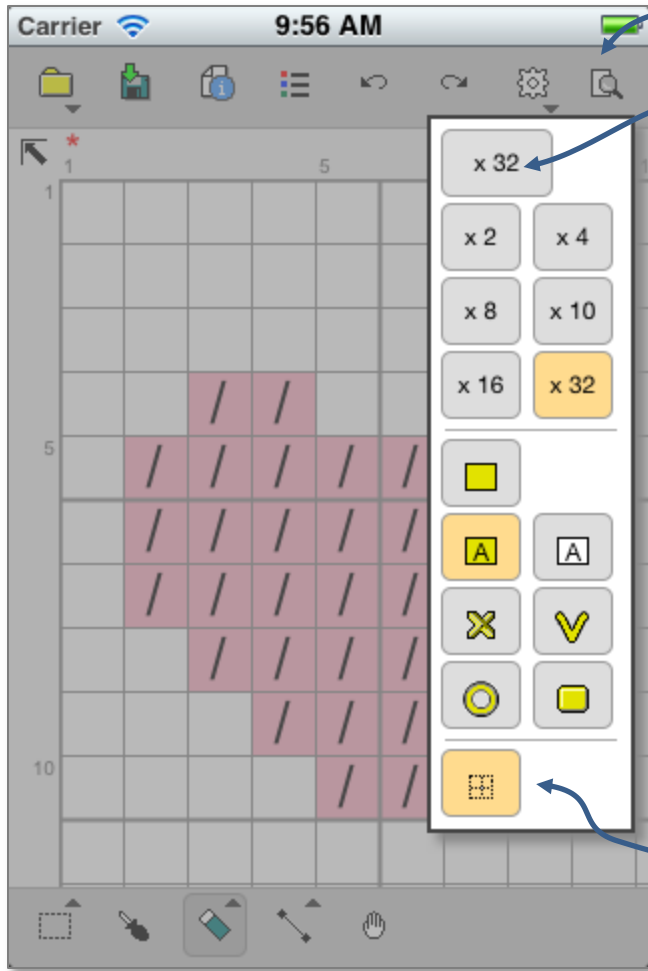
The image shows a mobile application interface with a grid. The top status bar displays 'Carrier', signal strength, '9:54 AM', and battery level. Below the status bar is a navigation bar with icons for home, app, info, list, undo, redo, settings, and search. The main area is a grid with a red selection tool icon in the bottom-left corner. A popup menu is open, showing 'Select All' and 'Deselect' options. A blue box contains a list of instructions. Arrows point from the text to the corresponding UI elements.

- When the selecting tool is selected, **touch it again** to show a popup menu for more tools.
- Touch outside the menu to close the popup

To select entire chart, use this button.

To un-select selected area, use this button.

Viewing Options Menu



To select a view option, use this menu button.

Current zoom level

Pre-defined zoom level.

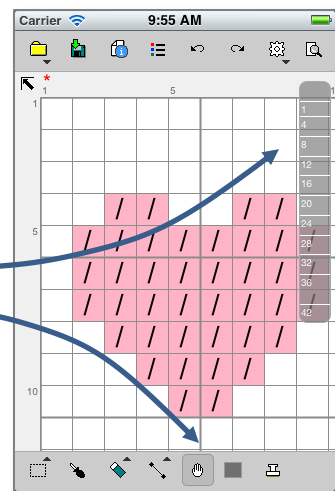
Preview mode:

- Fill
- Fill w/Symbol
- Symbol Only no fill
- Cross Stitch
- Knitting Pattern
- Iron Beads
- Beads Weaving

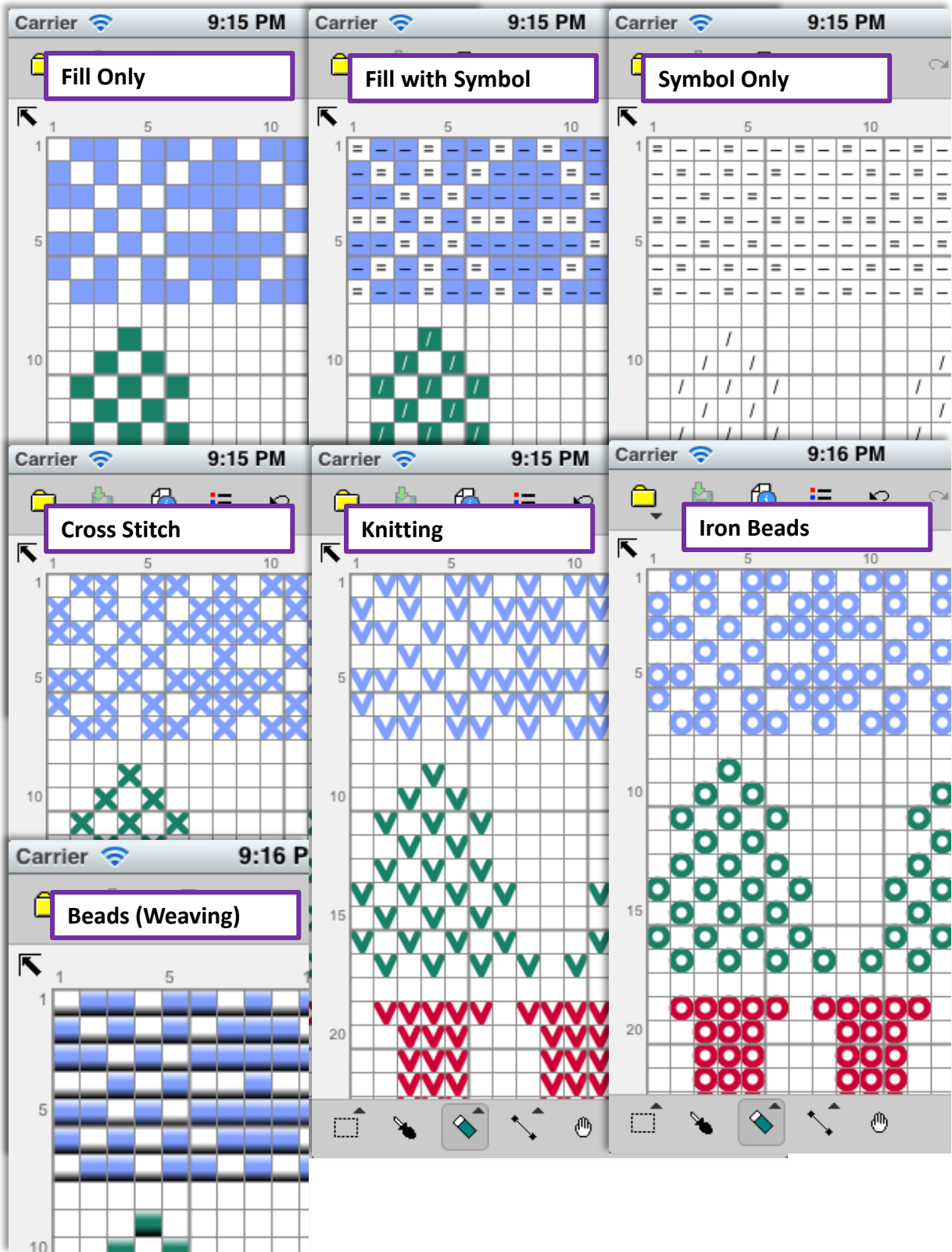
➔ See "Preview Modes"

Mesh on/off

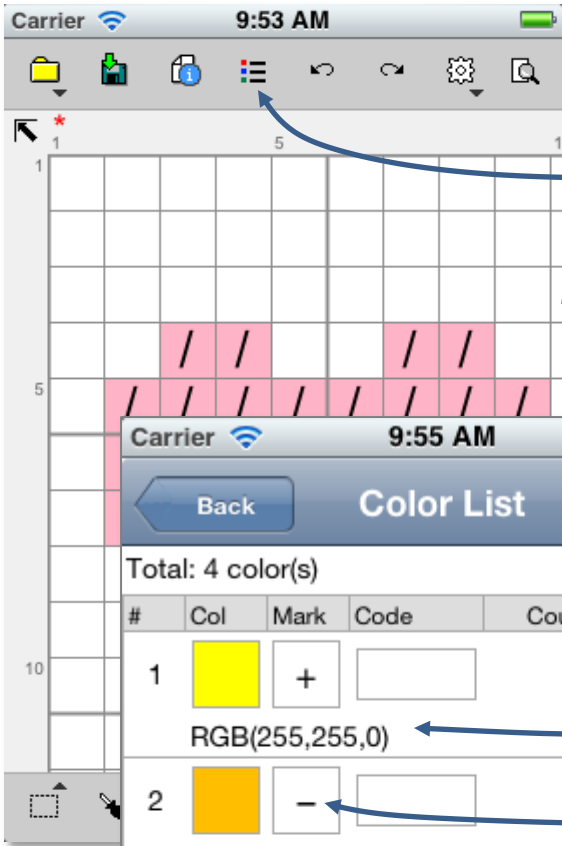
To change the zoom, you can also use "Hand Tool" zoom bar



Preview Modes



Selected Color List



To view a selected color list, use this command icon

Carrier 9:55 AM

Back Color List

Total: 4 color(s)

#	Col	Mark	Code	Count
1		+	<input type="text"/>	0
RGB(255,255,0)				
2		-	<input type="text"/>	0
RGB(255,191,0)				
3		=	<input type="text"/>	0
RGB(0,64,255)				
4		/	<input type="text"/>	0
RGB(255,179,198)				

Refresh

RGB value of the color

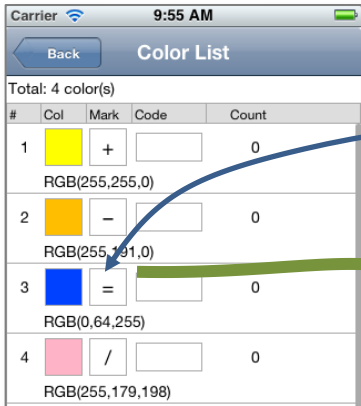
A symbol for the color. To change it, touch on the box.

You can enter color code here for your convenience. e.g. DMC color code

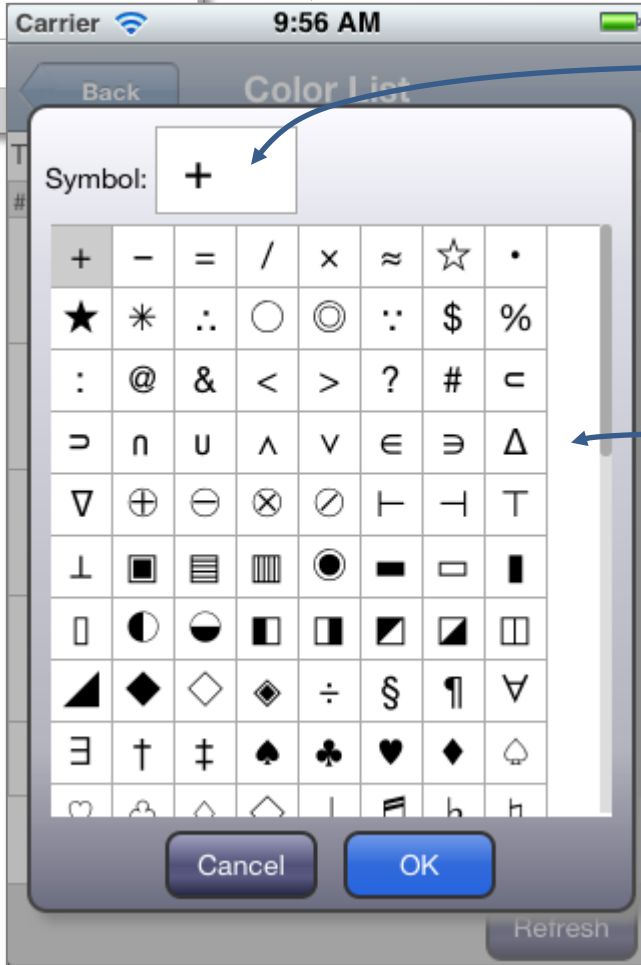
To count the number of colors, click here.

To change a color, touch on the box.

Changing a Symbol



To change a symbol for the color, touch the box

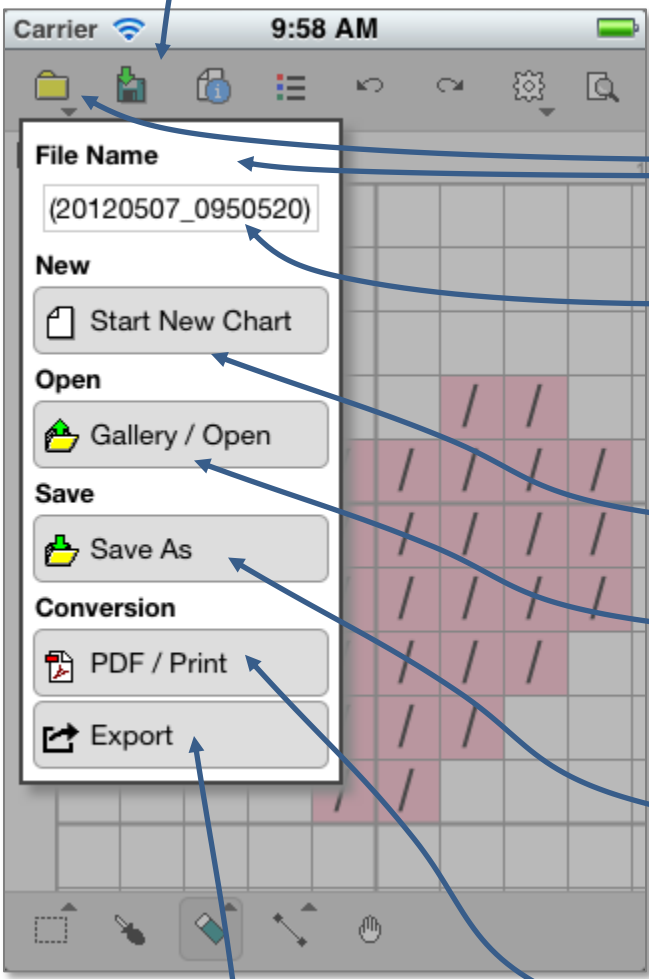


You can enter a symbol here. Any Unicode character is accepted.

You can enter max 2 characters.
e.g. A1

Or choose a symbol from the list.

File Menu



The image shows a screenshot of an iOS application's File Menu. The menu is open, displaying several options. Annotations with blue arrows point to specific elements, explaining their functions. The background shows a grid with some red cells, indicating a chart is being edited.

To save a chart while editing, touch this button.

For managing the char files, use this file menu

A file name for the current editing chart. If it has (), then it is temporary file name and you need to save it.

To start a new chart, use this button.

To open a chart, or to brows exiting charts (Gallery), use this button

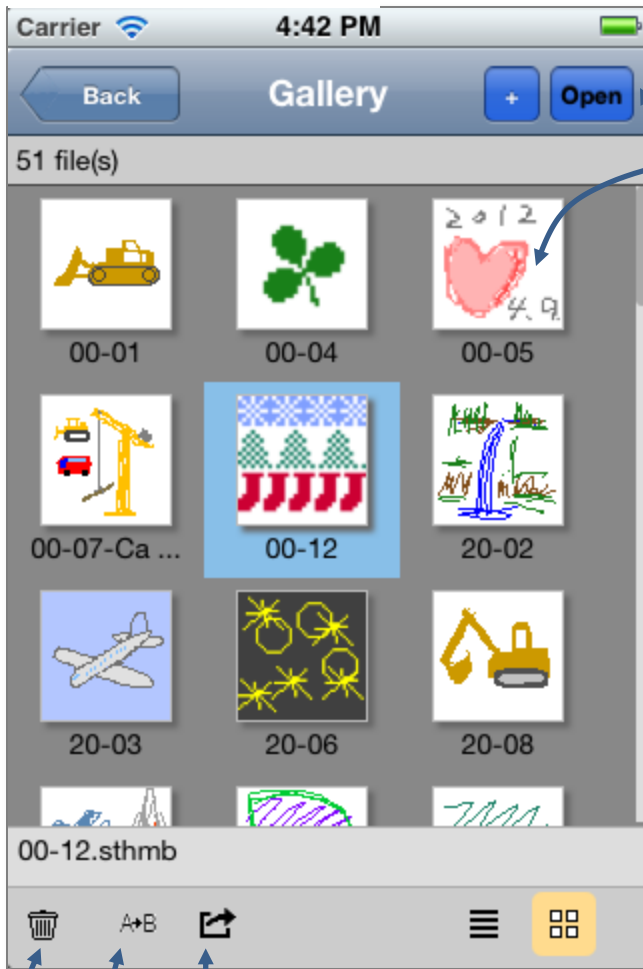
To save a chart with a different file name, use this.

To generate a PDF for distributing a chart or to print, use this button.

To save a chart as a image to camera roll, or to send it via email, use this button.

Gallery / File manager

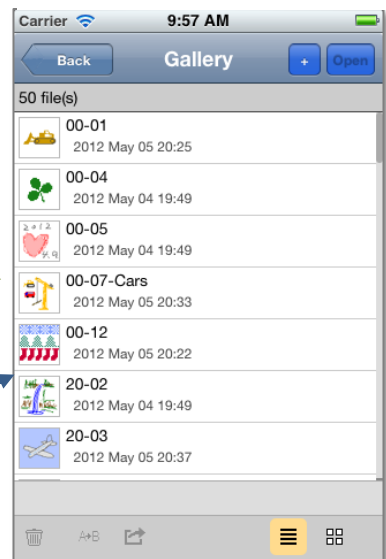
Thumbnail View



To open a chart, select one and touch "Open" button.
(Or, double tap the thumbnail image)

thumbnail images of charts
To scroll, touch and drag the thumbnails.

List View



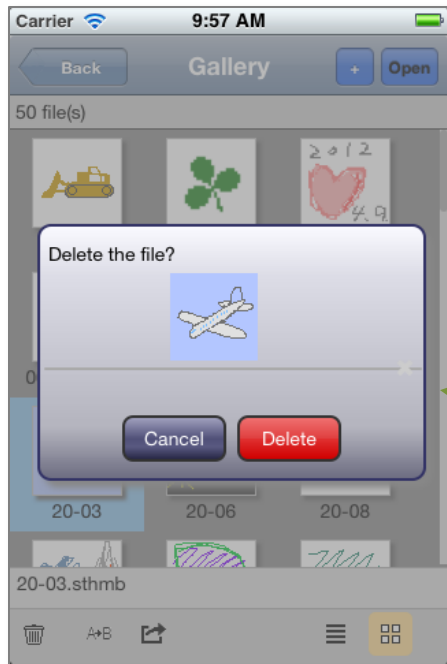
Switch a thumbnail view or a list view

Export

Rename

Delete a chart

File Delete / Rename



Delete a chart



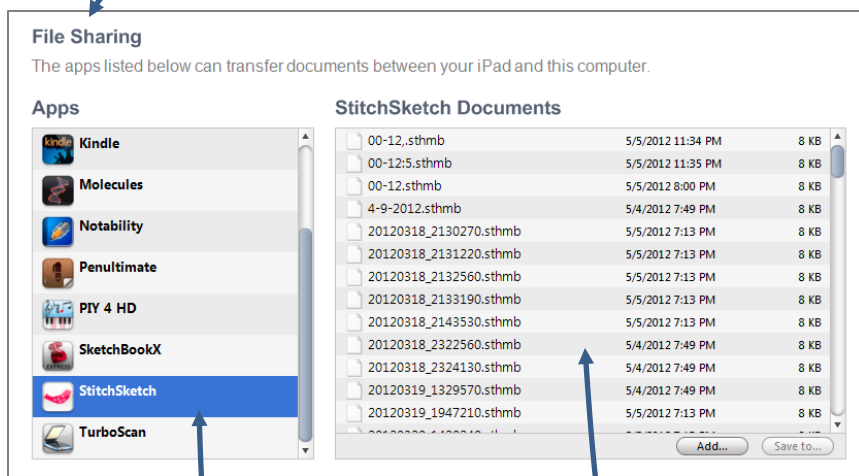
Rename a chart file name



Transfer files to Host

In iTunes, select "App" tab.

See a "File Sharing" section

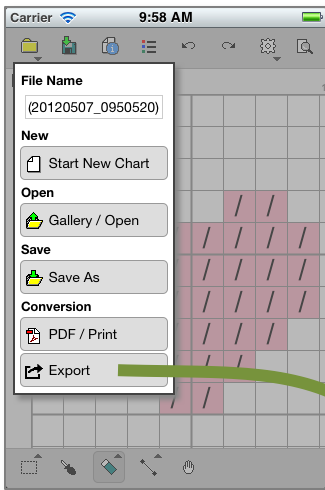


Select "StitchSketch"

There are the files you have created with StitchSketch.

You can drag & drop files between here and Finder (Mac) or Windows Explorer (Windows).

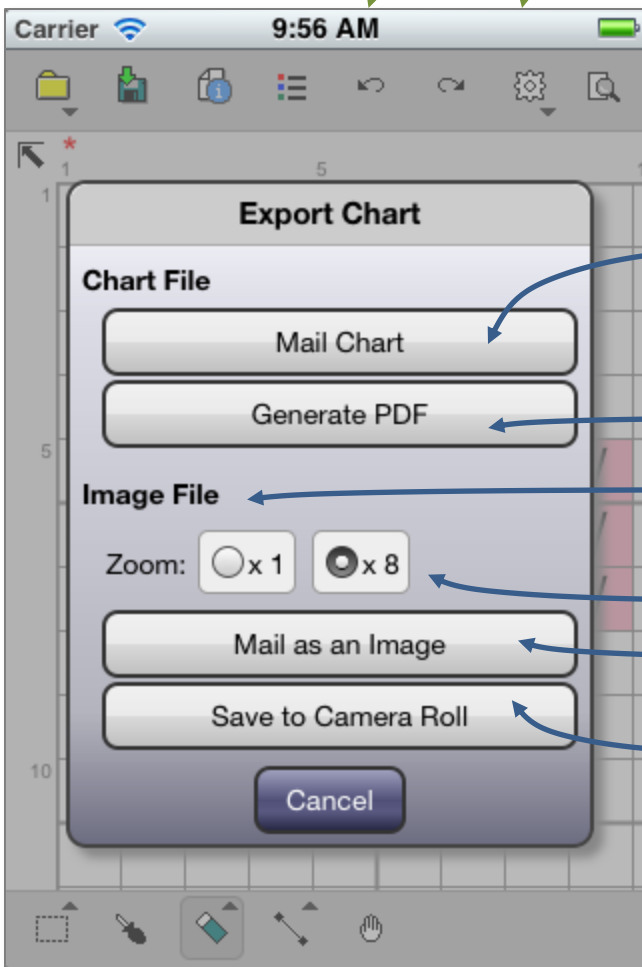
Export



Export current editing chart



Export a selected chart in Gallery



Mail a chart as a StitchSketch native file format

Generate a PDF

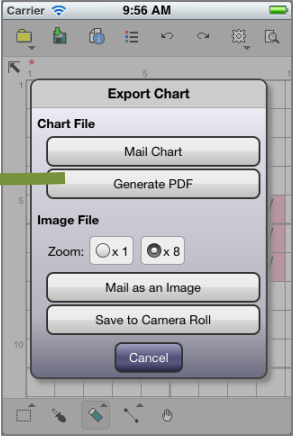
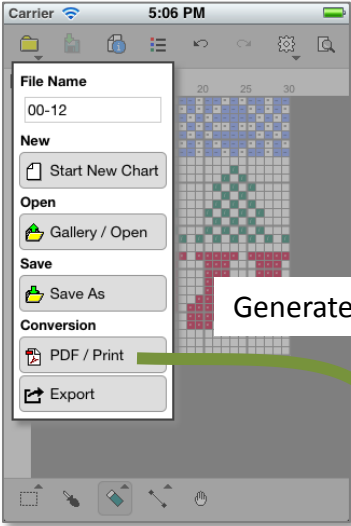
Generate a PNG file and export it to...

Choose a zoom level for the image

Send an image in Email

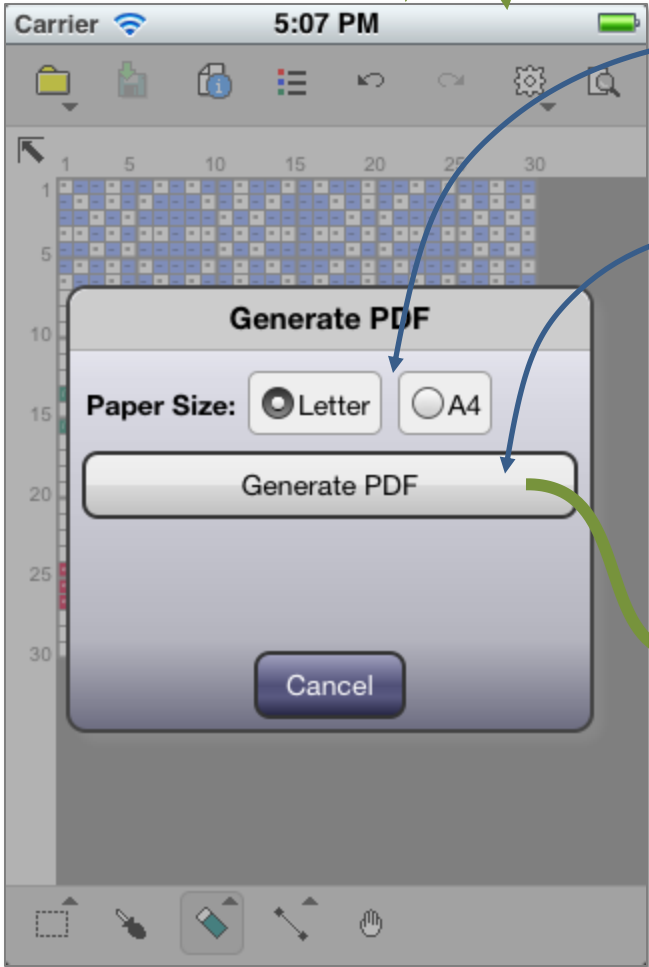
Save an image to Camera Roll

Generate PDF



Generate PDF

Generate PDF



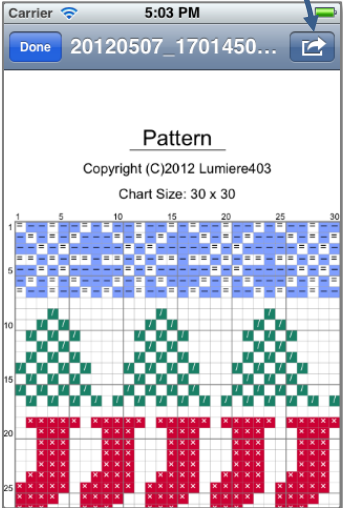
Choose a page size:

- Letter
- A4

Generate a PDF file

This is a standard PDF viewer on iOS.

- When finished, touch "Done"
- To email or print it, use this icon.



Generate PDF

The image displays two screenshots of a mobile application interface for generating a PDF of a cross-stitch pattern. The top screenshot, taken at 5:03 PM, shows a pattern titled "Pattern" with a copyright notice "(C)2012 Lumiere403" and a chart size of "30 x 30". The chart itself is a 30x30 grid with columns numbered 1 to 30 and rows numbered 1 to 25. The pattern consists of a blue and white checkered border at the top, followed by three green and white checkered triangles, and a red and white checkered base. The bottom screenshot, taken at 5:01 PM, shows a smaller version of the same pattern. Below the pattern is a color list consisting of five colored squares: yellow, blue, white, green, and red.

Carrier 5:03 PM

Done 20120507_1701450...

Pattern

Copyright (C)2012 Lumiere403

Chart Size: 30 x 30

1 5 10 15 20 25 30

1

5

10

15

20

25

30

Carrier 5:01 PM

Done 20120507_1701450...

Pattern

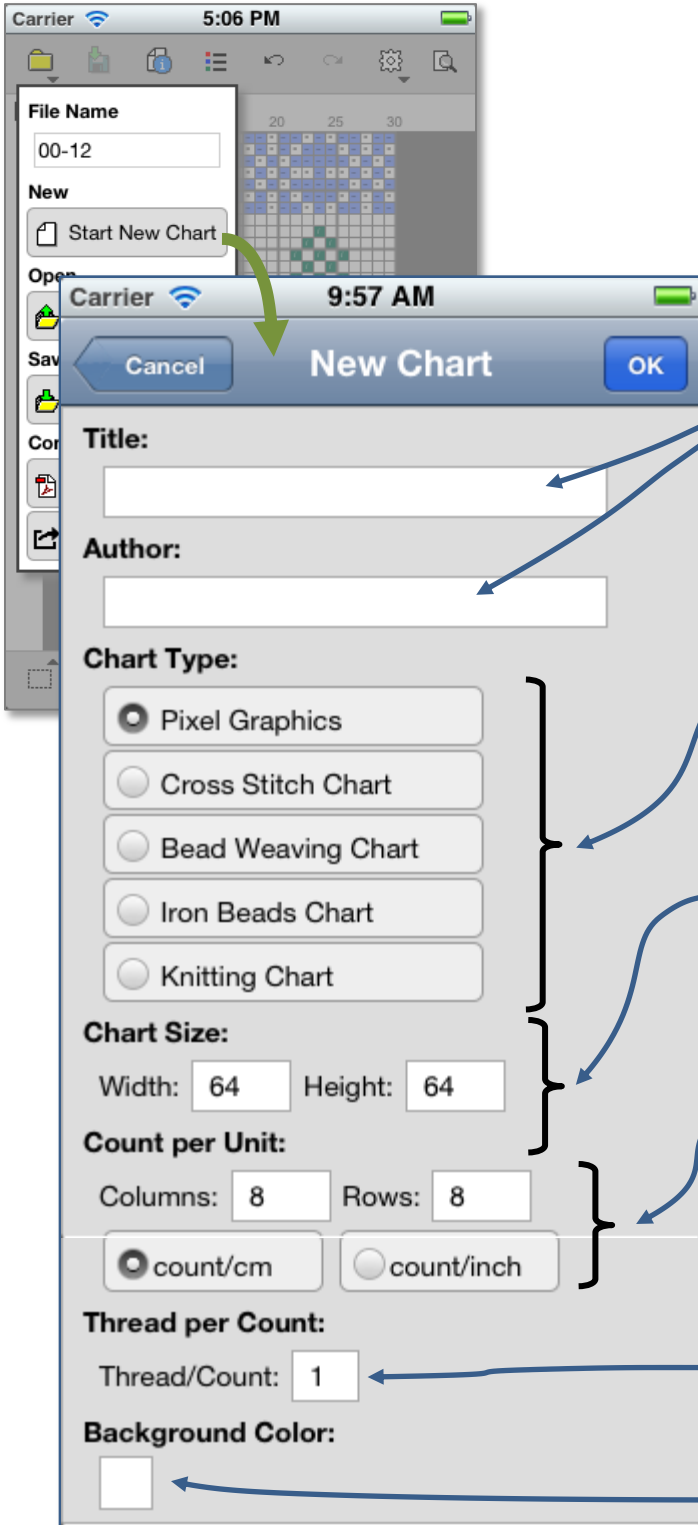
Copyright (C)2012 Lumiere403

Chart Size: 30 x 30

Color List

■ ■ ■ ■ ■

Start a new chart



Specify the title and the author. This information is used when generating a PDF.

Specify the chart type. This information is used to provide type specific functionality.

Chart size. Maximum size is 64 x 64.

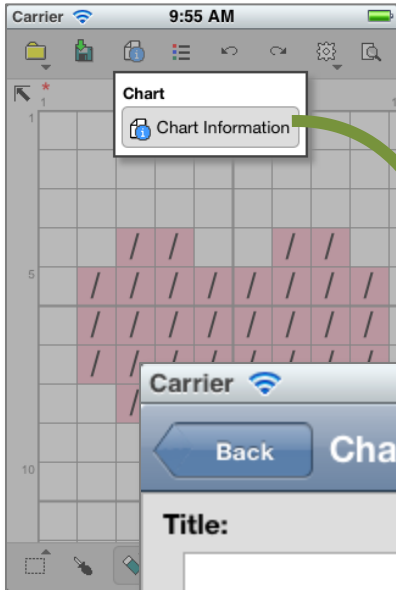
To use a rectangle cell, specify the size by "count per unit" way. e.g. 8 count/cm rows
→ One cell's height is 0.125cm

By specifying different count/unit for columns and rows, you can use a rectangular cell.

For cross stitch. Specify how many threads per count.

Change the background color. Touch it to show a color palette dialog box

Chart Information



Refer to the "Start a new chart"

Edit chart information

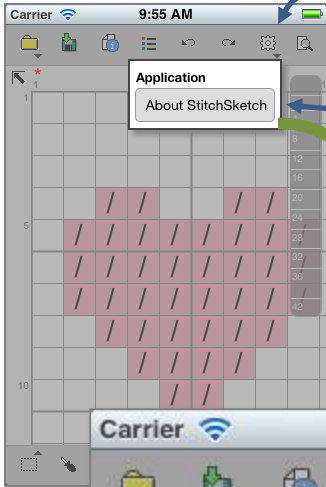
A screenshot of the 'Chart Information' dialog box. The title bar shows 'Carrier', signal strength, Wi-Fi, and the time '9:57 AM'. There is a 'Back' button and the title 'Chart Information'. The form contains the following fields:

- Title:** A text input field.
- Author:** A text input field.
- Chart Type:** A list of radio button options: Pixel Graphics (selected), Cross Stitch Chart, Bead Weaving Chart, Iron Beads Chart, and Knitting Chart.
- Chart Size:** Two input fields: Width: 64 and Height: 64.
- Count per Unit:** Two input fields: Columns: 8 and Rows: 8.

You can't change the chart size for now.

About StitchSketch

Configuration Button



“About StitchSketch”
button shows
“About” dialog box.



The link opens up a new browser to
show StitchSketch (KG-Chart) home
page.

<http://www.iktsoft.net/kgchart-en/>

About This Document

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Ver. 1.0

For StitchSketch iOS version

By Keiji Ikuta

5/8/2012

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