Krazy Stitcher



Studio User Guide

Browser-based bead pattern maker

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This is the downloadable edition of the online manual at krazystitcher.com/KrazyStitcherStudio-Manual.html. The web page is updated first; if the two ever differ, the web page is newer.

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What Studio Adds over Pro

Studio has everything in Krazy Stitcher Pro, plus the tools in this table. **Studio only** means Pro does not have the tool at all; **Enhanced** means Pro has a simpler version. Each tool has its own chapter in the Studio Features part of this guide (chapters 35 to 47). Everything else in this guide works the same way in Pro.

Studio tools at a glance

Tool	Studio	What it does	Where	See
Multi-Pattern Workspace	Studio only	A tab for each open pattern (up to 10) above the chart, and Compare to see up to 4 patterns side by side.	Tabs above the chart	Ch. 35, p. 52
Layers	Studio only	Draw on separate layers; show, hide, lock, merge and rename them.	Layers panel, right side	Ch. 36, p. 53
Chart Callouts	Studio only	Notes, arrows, a Start here mark and step numbers on the chart, up to 200 a pattern. They print on the PDF, in the Pattern Package and in Print Layout, and follow the beads when you edit.	Analyze > Callouts	Ch. 37, p. 55
Scale	Enhanced	Resize a pattern to any size up to 1000 × 1000 beads. Pro has Resize; Studio's Scale also resizes every layer and keeps callouts on their beads.	Edit > Scale (Shift+S)	Ch. 38, p. 56
Letter, number and shape stamps	Studio only	Stamp A–Z, 0–9 and five shapes in the drawing color.	Edit > Templates (Shift+L)	Ch. 39, p. 57
Color Harmony Engine	Studio only	Six harmony types, each color matched to a real bead in your palette brand.	Color > Harmony	Ch. 40, p. 58

Tool	Studio	What it does	Where	See
Batch Photo Import	Studio only	Turn several photos into separate patterns in one pass, with your Import Photo settings.	File > Import > Batch Photo Import	Ch. 41, p. 59
Import External	Studio only	Open a CSV grid, a text grid of color codes or an XML .bead grid as a new pattern.	File > Import > Import External	Ch. 42, p. 60
Pattern Package and Booklet	Studio only	One PDF with cover, color key, materials, color chart and black-and-white chart, or the same as a fold-and-staple booklet.	File > Print > Print…	Ch. 43, p. 61
Cover designer and Buy links	Studio only	Four cover layouts, title font, accent color, designer name, a photo of the finished piece, a Buy link for each bead and a Buy the kit link.	Print… > Pattern Package	Ch. 43, p. 61
Listing Page (HTML)	Studio only	One web page that shows a pattern for sale with a watermarked picture, colors, size and your kit link, without the chart.	File > Export > Listing Page (HTML)	Ch. 44, p. 64
Batch Export	Studio only	Export many saved patterns to PDF and PNG at once, in one .zip file.	File > Print > Batch Export	Ch. 45, p. 65
Stitch-Along Autoplay	Enhanced	Pro's Stitching Guide has Prev and Next; Studio adds Auto at three speeds, a tick sound and a minimap.	Stitch > Guide (G)	Ch. 46, p. 66
Pattern books and wholesale	Studio only	The Studio license adds the right to sell pattern collections and pattern books, and to distribute patterns in bulk or at wholesale.	Commercial Use License	Ch. 47, p. 67
Seller reminder for rebuilt patterns	Studio only	Before the Listing Page, Pattern Package, Booklet or Batch Export uses a pattern rebuilt from a paper chart, a reminder asks you to sell only designs you have the right to sell. Once per pattern per session.	Listing Page, Pattern Package, Booklet, Batch Export	Ch. 12, p. 17

Sharing files with Pro and Essentials. A Studio pattern opens in every edition. Pro keeps its layers but shows and edits them combined as one; Pro and Essentials keep its callouts in the file without showing them, and the message after opening says so. The Pattern Package, Listing Page and Batch Export files are ordinary PDF, HTML, PNG and .zip files that anyone can open.

1. Before You Start

Verify these requirements before you begin:

- **Browser** — Chrome or Microsoft Edge work best (see Choosing a Browser, below); Firefox and Safari work too. Krazy Stitcher requires JavaScript and IndexedDB support. To save patterns straight into a folder (see Save Patterns to a Folder, chapter 24), use Chrome, Edge or Opera on a computer.
- **Screen size** — Use a desktop or laptop screen (1024px wide or larger) for designing. On a phone, Studio opens a simple phone view for following a pattern, seeing it and checking what to buy (see Reader Mode and the Phone View in chapter 26).
- **Storage** — Your patterns are always kept in this browser on this computer. If you choose a pattern folder (Chrome, Edge, Opera), each one is also kept as a .ks file in that folder, which survives clearing your browser and can be shared with your other browsers and computers. Without a pattern folder, clearing your browser's data or switching browsers or computers loses them, so use **Backup All** regularly.
- **Internet** — Needed the first time you open the app in a browser, to activate your license key, and to get updates. After that first visit the app opens and works without a connection in that browser: designing, saving, printing, exports, photo import and the 3D Preview. The Photo Converter, sold separately, does not work offline.

Choosing a Browser

Krazy Stitcher works best in Chrome or Microsoft Edge on a Windows PC or Mac (Opera works the same way). Firefox and Safari work too, and your patterns are just as safe there.

What Chrome and Edge give you. Every export opens a Save window, so you choose the folder or drive. Pattern Folder keeps your patterns as files in a folder of your own. Version History can back up automatically to a folder. Print now opens the chart ready to print, and you choose your printer in your computer’s print window. And you can install Krazy Stitcher as an app, with its own window and desktop icon.

What works differently in Firefox and Safari. Files go to your Downloads folder. To choose a folder each time, turn on Firefox’s “Always ask you where to save files”, or set Safari’s “File download location” to “Ask for each download” (Safari Settings > General). There is no Pattern Folder or automatic folder backup, so press Save (it downloads the .ks file) and use Backup All regularly. Firefox cannot install Krazy Stitcher as an app; in Safari on a Mac, use File > Add to Dock.

Each browser keeps its own patterns. If you switch browsers, bring your work over with a backup file: Backup All in the old browser, then Restore in the new one.

A reminder. The first time you open Krazy Stitcher in Firefox or Safari, a short note lists these differences. The same information is in Help under Choosing a Browser.

Bookmark your edition. Press Ctrl+D (⌘+D on a Mac) while Krazy Stitcher Studio is open and save the bookmark. Next time, click the bookmark and you land straight back in your edition (krazystitcher.com/KrazyStitcherStudio.html, without www). Make the bookmark in the same browser you entered your key in: each browser keeps its own patterns and license. The first time you activate a key, a short note reminds you.

2. Get Started

Krazy Stitcher runs entirely in your browser. Open `KrazyStitcher.html` and start working.

Creating Your First Pattern

Click the **New** button in the top toolbar. A dialog opens. Give your pattern a name and choose a stitch type (Loom is the simplest). Set the width and height in beads, then click **Create**. An empty grid appears on the canvas.

Your First Beadwork

The Draw tool starts as the active tool. Pick a color from the palette on the right side panel, then click or drag on the canvas to paint beads. Switch colors anytime by clicking a different swatch. That's the core workflow — everything else builds on it.

Saving

Click **Save** (or press `Ctrl+S`) to store your pattern. Your patterns are always kept in this browser on this computer. If you choose a pattern folder (Chrome, Edge, Opera), each one is also kept as a .ks file in that folder, which survives clearing your browser and can be shared with your other browsers and computers. Without a pattern folder, clearing your browser's data or switching browsers or computers loses them, so use **Backup All** regularly. See Save Patterns to a Folder in chapter 24. To hand one pattern to someone, use **Export Pattern** to save a `.ks` file.

3. Navigate the Interface

The Krazy Stitcher interface has five main areas:

Interface areas and their purposes

Area	Location	Purpose
Top Toolbar	Top of screen	File operations, edit actions, transform tools, color tools, toggles, help
Tool Panel	Left side	Drawing tools and zoom controls (icon buttons)
Canvas	Center	The main editing area where you draw your pattern

Area	Location	Purpose
Right Panel	Right side	Color palette, used colors, saved pattern list
Status Bar	Bottom	Pattern size, type, bead count, color count, storage info

Canvas Navigation

Scroll your mouse wheel to zoom in and out. To prevent accidental zooming, click the lock icon (🔒) below the zoom buttons in the left toolbar — the icon changes to 🔓 when locked. Hold `Space` and drag to pan the canvas, or click the Pan tool in the tool panel (it stays selected until you pick another tool). The bottom-right corner shows the current zoom level. Click the Fit button (or press `Home`) to zoom the entire pattern into view.

The bottom-left corner shows the current bead coordinates as you move the mouse over the canvas.

Grid Opacity and Large Print

In the row of buttons across the top, the **Opacity** slider next to **Grid** fades the grid lines and the thin seams between beads, so the bead colors show through more clearly. Slide it to 0 to hide them completely. The **Large Print** button near the right end of that row switches to bigger text and bolder grid lines, and turns the row and column numbers on. Click it again to switch back.

Floating Help Button

The round **?** button fixed in the bottom-right corner of the screen opens the in-app help panel from anywhere. Click it whenever you need a quick reminder about tools, shortcuts, or features. The help panel slides out from the right and can be closed with the × button or by pressing `Escape`.

Search Help and Tools (Ctrl+K)

Press `Ctrl+K` (`Cmd+K` on a Mac), or click **Search** at the top of the window, and type what you are looking for. Typing mistakes are fine ("colr pallete" finds the palette tools), and everyday words work too ("eraser", "dropbox", "miyuki").

- **Go there** opens the menu the tool is in and points to it. It does not run anything for you; drawing tools are also selected.
- **Help** opens the help at that topic.
- Use the arrow keys to move through the results and `Enter` to choose. `Esc` closes the search.

Search finds whole sections. Search looks through every paragraph of the help, not only the first one. For example, type “alternate” to find Alternate colors.

Search this Help and the Help Index

The Help panel has its own search box at the top, **Search this Help**. Type a word or two and the panel shows only the topics, items and keyboard shortcuts that match. A line under the box says how many it found, for example “12 matches in 4 topics.”, or “No matches in this Help.”

Typing mistakes and everyday words work here too, just as in the Ctrl+K search: “rubber” finds the Eraser. Press **Enter** to go to the first match, and **Esc** to clear the search and show the whole panel again.

- **Search tools too** sends the same words to the Ctrl+K search, so you can go straight to the tool itself.
- **Index: topics and features A–Z**, just under the box, opens a list of every Help topic and every feature, sorted A to Z, with letters to jump to. Click a name to go to it; the item is highlighted in the panel.

The index is built from your edition’s own Help, so it lists only the features your edition has.

4. Use the Drawing Tools

Drawing tools and shortcuts

Tool	Key	How It Works
Draw	`D`	Click or drag to paint beads with the selected color. This is the default tool.
Erase	`E`	Click or drag to remove beads (sets beads to empty or white).
Fill	`F`	Click a bead to flood-fill all connected beads of the same color with the selected color. Uses 4-directional connectivity.
Color Pick	`I`	Click any bead to make its color the active drawing color. Works like an eyedropper.
1 Cell	`—`	Click a bead, then choose a color for that one bead from a small window. See Change One Bead below.
Line	`L`	Press the left mouse button on the start point, drag to the end point, and let go to draw a straight line between the two points.
Rectangle	`R`	Press the left mouse button on one corner, drag to the opposite corner, and let go to draw a rectangular outline.
Filled Rect	`Shift+R`	Press the left mouse button on one corner, drag to the opposite corner, and let go to draw a solid filled rectangle. Its button in the tool panel is labeled **Fill R**.
Select	`S`	Click and drag to select a rectangular region. See Select, Copy, and Paste.
Text	`T`	Opens a dialog to enter text, then click to place it. See Place Text on the Canvas.
Pan	`Space`	Press the left mouse button on the canvas and drag to move the pattern around. The Pan tool stays selected until you pick another tool. You can also hold `Space` while another tool is active to pan; your tool comes back when you let go.

Change One Bead

The Draw tool paints with the color you have selected. To change a single bead to another color that is already in the pattern, without selecting that color first, click **1 Cell** in the tool panel (just below Pick)

and click the bead. A small window opens, headed with the bead's column and row. Click the color you want, or press the key of its symbol (for example A, 7 or @); only that bead changes.

The window lists every color already in the pattern, each with its symbol. **Empty this cell** clears the bead, and Close or Esc leaves without changing anything. With any tool, pressing the right mouse button on a bead, or holding Alt and clicking it, opens the same window; on a touch screen, choose 1 Cell and tap the bead. Undo takes back a one-bead change.

Protect Beads

Click Protect (the shield button) or press P. Drawing, lines, shapes, Text, symmetry, Fill and Gradient then add beads only to empty spots, and the beads already there stay as they are. Fill on a bead changes nothing and says how many beads it left as they were; Fill on an empty spot fills that empty area. In Studio, a bead on any visible layer is kept too, while you paint the active layer. Erase, Replace Color and Remove Color are blocked until you turn Protect off. Protect stays on for the open pattern until you close Krazy Stitcher. It is not saved in the pattern file. Paste, Tile, Delete on a selection, the 1 Cell tool, fringe beads and the tools that change the whole pattern (such as Merge, Quick Remap, Brand Swap, Reduce Colors and Scale) are not protected.

5. Choose a Stitch Type

Krazy Stitcher Studio supports twenty-five stitch types. The stitch type controls how the app arranges beads on the grid. It also affects the coordinate system and finished size calculations.

Supported stitch types

Stitch	Grid Layout	Best For
Loom	Straight square grid, all rows and columns aligned	Loom beadwork, beginners, geometric patterns
Peyote	Odd rows offset right by half a bead width	Flat peyote stitch, the most popular off-loom stitch
Brick	Odd columns offset down by half a bead height (peyote rotated 90°)	Brick stitch earrings, small shapes
Peyote 2-Drop	Pairs of rows share the same offset	Faster beading with two beads picked up per stitch
Peyote 3-Drop	Groups of three rows share the same offset	Even faster multi-drop peyote
Brick 2-Drop / 3-Drop	Groups of two or three columns share the same offset	Faster brick stitch on wider pieces
Peyote 4–9 Drop	Groups of 4 through 9 rows share the same offset	Advanced multi-drop peyote for wide, fast-coverage patterns

Stitch	Grid Layout	Best For
Gourd Stitch	Alternating row offset (like peyote), used tubularly	Tubular peyote for covering round objects like bottles, ornaments
Herringbone	Square grid with pair-bracket visual guides every two columns	Herringbone (Ndebele) stitch visualization
RAW	Square grid with cross-stitch visual guides showing the four-bead units	Right Angle Weave visualization
Square Stitch	Straight square grid, identical layout to Loom	Individually-stitched square patterns; same grid as Loom, different thread path
Spiral Rope	Each row rotates a quarter bead width, wrapping every four rows	Tubular spiral rope necklaces and bracelets
Dutch Spiral	Same quarter-bead rotation as Spiral Rope	Two-color spiral rope with a twisting accent stripe
Shaped Peyote	Peyote with guides showing where to increase and decrease	Shaped peyote pieces
Ndebele (Flat Herringbone)	Square grid with guides for the V-shaped pairs and their connections	Flat herringbone bands and panels
Netting	Open, lacy diagonal lattice — rows offset by a third of a bead width	Net-like, zigzag jewelry and edging
Ladder Stitch	Beads stacked in pairs, one directly above the next	Foundation rows used to start herringbone and brick stitch projects
Albion Stitch	Ornamental grid guides marking 3×3 unit blocks	Decorative combination pieces mixing seed beads and crystals
Bead Crochet Rope	Progressive diagonal offset — each row shifts by a fraction of a bead width	Tubular bead crochet ropes and necklaces

> **Note:** Herringbone and RAW use a square grid data model with decorative visual guides. The guides help you visualize bead groupings but don't change how you draw or edit.

> **Tip:** For Bead Crochet Rope, the grid width equals the number of beads around the tube (circumference). Use the **Tubular Preview** (press **U**) to see how the rope looks when wrapped into a cylinder. Three presets are available: 6-around, 8-around, and 12-around.

6. Work with Color Palettes

Krazy Stitcher ships with nine bead color palettes:

Built-in bead color palettes

Palette	Colors	Notes
Miyuki Delica	950 colors	Comprehensive Miyuki Delica 11/0 cylinder bead palette. Each color has a DB product ID. Colors for 446 of the beads are estimated from supplier photos.
Toho Round	412 colors	Toho 11/0 round seed beads with TR-11 product IDs. Colors are estimated from supplier photos.
Preciosa	253 colors	Czech Preciosa seed bead colors with PR product IDs. Colors are estimated from supplier photos.
Miyuki Rocailles	238 colors	Miyuki 11/0 round seed beads (rocailles). Each color has an RR product ID. Colors are estimated from supplier photos.
Matsuno	126 colors	Japanese Matsuno 11/0 seed beads with MT product IDs. Colors are estimated from supplier photos.
Mill Hill	115 colors	Mill Hill glass seed beads with MH product IDs. Popular in cross-stitch and needlework. Colors are estimated from supplier photos.
Toho Aiko	Coming soon	Toho Aiko precision cylinder beads (1.75mm × 1.0mm). Listed in the palette menus but not selectable until its color data is added.
Toho Treasure	Coming soon	Toho Treasure 11/0 precision cylinder beads (1.7mm × 1.3mm). Listed in the palette menus but not selectable until its color data is added.
Generic 64	64 colors	A basic set of named colors, not tied to any brand.

Finding Colors

Use the **search box** above the palette to filter by color name or ID. Type "blue" to see all blue-family colors, or "DB0325" to find a specific Miyuki shade.

Used Colors

Below the palette grid, the **Used in Pattern** section shows every color currently present in your pattern. Click one with the left mouse button to select it for drawing. Each little square shows the symbol that color has on the chart. To give a color a different symbol, see Choose Your Own Symbols.

Highlight One Color on the Chart

To see where one color is on the chart, tick **Highlight the chosen symbol on the chart**, just above the Used in Pattern list. Then click a color in Used in Pattern or in the palette, or click a bead with the Pick tool. Every other bead fades back and every bead of that color gets a bright outline, so stray single beads are easy to spot. Choose another color to move the highlight, and untick the box to turn it off.

The browser remembers the setting. It changes only what you see on the screen, not the pattern, exported pictures or printouts. Combine it with Change One Bead: highlight a color, then use 1 Cell on any stray beads.

7. Create Custom Palettes

You can create your own palettes and save them for future use. Custom palettes store in your browser alongside your patterns.

Save a Palette from Your Pattern

1. Open a pattern that contains the colors you want to save.
2. Click **Save Palette** below the brand dropdown.
3. Enter a name for the palette (e.g., “Sunset Bracelet Colors”).
4. The app saves all colors from your pattern as a new custom palette.

Create an Empty Palette

1. Click **+ New** below the brand dropdown.
2. Enter a name for the palette.
3. Select colors from any brand palette and click **Add Current Color** in the Manage dialog to build your palette.

Manage Custom Palettes

Click **Manage** to open the palette manager. From this dialog you can:

- **Use** — Switch to a custom palette.
- **Rename** — Change the palette name.
- **Add Current Color** — Add the color you have selected to the active custom palette.
- **Delete** — Remove a custom palette permanently.

Custom palettes appear in the brand dropdown with a ★ prefix.

> **Tip:** Create a custom palette for each project. This keeps your most-used colors one click away and speeds up your workflow.

8. Draw with Symmetry

Symmetric Drawing Mode mirrors your brush strokes across one or two axes. This is useful for patterns with bilateral or four-way symmetry, such as mandalas, medallions, and snowflakes.

How to Use Symmetry

1. Click the ⊜ button in the tool panel on the left or press `M` to cycle through symmetry modes.
2. Draw on one side of the pattern. The app mirrors each stroke automatically.
3. Press `M` again to cycle to the next mode or return to normal drawing.

Symmetry Modes

Symmetry drawing modes

Mode	What It Does
None	Normal drawing with no mirroring (default).
Horizontal	Mirrors left to right across a vertical center line.
Vertical	Mirrors top to bottom across a horizontal center line.
Both	Mirrors across both axes. Draw in one quadrant and all four quadrants fill.

Red dashed guide lines show the active symmetry axes on the canvas. The Draw, Erase, Line, Rectangle, and Filled Rect tools all support symmetric drawing.

> **Tip:** For a mandala, set symmetry to **Both** and draw in the top-left quadrant. The other three quadrants fill automatically.

9. Show Row and Column Numbers

Row and column numbers help you locate specific beads, count rows, and follow instructions. They appear along the top and left edges of the canvas.

Toggle Numbers

- Check or uncheck the **Numbers** checkbox in the toolbar.
- Or press `N` to toggle numbers on or off.

Adaptive Display

The numbers adjust to your zoom level:

- **High zoom** (18+ pixels per bead) — Every row and column is numbered.
- **Medium zoom** (10–17 pixels per bead) — Every 5th row and column is numbered.
- **Low zoom** (5–9 pixels per bead) — Every 10th row and column is numbered.
- **Very low zoom** (below 5 pixels per bead) — Numbers are hidden to avoid clutter.

10. Add Pattern Notes

Click **Notes** in the toolbar to open the notes panel for the active pattern. Use notes to record construction tips, bead brand preferences, row-specific reminders, or any information you want to keep with the pattern.

How to Use

1. Open a pattern.
2. Click **Notes** in the toolbar.
3. Type your notes in the text area. Notes save automatically as you type.
4. Click **Close** when finished.

Notes are stored with the pattern in IndexedDB and included when you export as a .ks or .ksp file. When someone imports your pattern, they see your notes.

> **Tip:** Use notes to record which rows are tricky, which beads you substituted, or the order you plan to bead the sections.

11. Generate a Color Gradient

The Gradient Generator fills the entire canvas with a smooth transition between two palette colors. Each step in the gradient snaps to the nearest color in the active palette, so the result uses real bead colors.

How to Use

1. Click **Gradient** in the toolbar.
2. Select a color from the palette, then click **Use Current** next to "Start Color."
3. Select a different color from the palette, then click **Use Current** next to "End Color."
4. Choose a direction: Horizontal, Vertical, or Diagonal.
5. Drag the **Steps** slider to control how many color bands the gradient uses. The preview bar updates in real time.
6. Click **Apply Gradient** to fill the canvas.

Gradient direction options

Direction	Description
Horizontal	Color transitions from left to right across columns.
Vertical	Color transitions from top to bottom across rows.
Diagonal	Color transitions from top-left corner to bottom-right corner.

> **Tip:** Apply a gradient as a background, then draw your design on top. This creates ombré effects popular in bracelet and pendant patterns.

12. Import and Convert a Photo

Krazy Stitcher can convert any photograph or image into a bead pattern. There are several ways to load an image:

Loading an Image

Ways to load an image

Method	How It Works
Drag and drop	Drag any image from Finder, Photos, your Desktop, iCloud Drive, a USB drive, or a shared network drive directly onto the canvas area. The Import Photo dialog opens automatically with your image pre-loaded.
Paste from clipboard	Copy an image from any app or take a screenshot (Cmd+Shift+4 on Mac), then press **Cmd+V** (Mac) or **Ctrl+V** (Windows). The image loads straight into the Import Photo dialog.
Click Import Photo	Opens the Import Photo dialog. Click the "Drop image here or click to browse" zone to open your system file picker. On Mac, this gives you full access to local drives, iCloud Drive, network shares, external drives, and any mounted volume. On Windows, it opens File Explorer with access to all connected drives.
Drop into the dialog	If the Import Photo dialog is already open, drag an image directly onto the drop zone at the top of the controls panel.

> **Tip — Mac Users:** When the file picker opens, use the sidebar to navigate to iCloud Drive, shared folders, or external drives. You can also drag images directly from a Finder window, the Photos app, or even from a website onto the Krazy Stitcher canvas.

Settings

Photo import settings

Setting	What It Does
Max Width	Maximum width of the resulting pattern in beads. The app calculates height from the image aspect ratio and the bead aspect ratio.
Max Colors	Drag the slider or type a number in the box next to it to set the target number of colors (2–256). Double-click the slider, or click ↺, to go back to 20. With the expanded palettes (up to 950 bead colors), higher values give more faithful color reproduction.
Bead Type	The stitch type for the new pattern. Affects aspect ratio calculations.
Quantization	*Median Cut* is fast and produces good results. *K-Means* is slower but often finds more accurate color groupings, especially for images with subtle gradients.

Setting	What It Does
Primary Dither	Controls how color transitions are smoothed. *None* maps each pixel directly to its nearest bead color. *Floyd-Steinberg* is a reliable all-rounder. *Atkinson* makes edges pop and boosts contrast — great for landscapes and architecture. *Stucki* is the smoothest, ideal for skies and gradients. *Sierra* falls between smooth and sharp. *Burkes* is similar to Stucki but faster on large patterns.
Secondary Dither	Optional. Pick a second algorithm to blend with the primary. The Blend slider controls the mix — 0% uses only the primary, 100% uses only the secondary. Try Atkinson + Stucki at 50% for crisp subjects with smooth backgrounds.
Blend	Appears when a secondary dither is selected. Controls the blend ratio between the two dithering algorithms (0–100%).
Brightness	Lighten or darken the image before conversion (-100 to +100).
Contrast	Increase or decrease tonal range (-100 to +100).
Saturation	Boost or reduce color intensity (-100 to +100). Set to -100 for grayscale.
Number boxes and reset	Brightness, Contrast, Saturation and Blend each have a number box: type a value and press Enter. Double-click a slider, or click the ↺ button next to it, to put it back to its default. The preview updates once when you let go of a slider. Cancel and Import always stay at the bottom of the window; on a phone the preview stays at the top while the settings scroll.
Auto-Optimize Settings	A button below the sliders. Click it and the program looks at your photo and sets Max Colors and Primary Dither for you. A line under the button says what it changed (for example Max Colors 20 → 32, colors in the preview 20 → 31), and the preview updates. Revert puts your settings back. It does not change Max Width, Brightness, Contrast, or Saturation.
Merge stray beads	A checkbox, off at first. When it is ticked, after each conversion a single bead whose color matches none of the beads above, below, left and right of it takes their most common color: the same rule as Cleanup. The line under the preview says how many beads changed. It applies to the preview, to Import and to Batch Photo Import, and it is saved with a preset.

> **Note — Color Matching:** Krazy Stitcher Studio uses **CIEDE2000** perceptual color matching (in the CIE Lab color space) instead of simple RGB distance when mapping quantized pixels to bead colors. This means the software picks bead colors that look closer to the original photo to the human eye, especially for subtle color differences that RGB math gets wrong — like distinguishing warm grays from cool grays, or similar blues and purples.

Grayscale Mode

Grayscale Mode is a checkbox in the Import Photo dialog that restricts the bead palette to neutral (gray/white/black) colors only.

- **Auto-Detection** — When you import a black-and-white or grayscale photo, Krazy Stitcher Studio automatically detects it (an “AUTO-DETECTED” badge appears next to the checkbox) and enables Grayscale Mode for you. This eliminates unwanted color artifacts — like teal or blue tints — that can appear when converting B/W images with a full-color palette.

- **Manual Override** — You can also check the Grayscale Mode box yourself on any image to force a neutral-only palette. This is useful for creating monochrome versions of color photos.
- **How it works** — Grayscale mode desaturates all pixels to pure luminance values and filters the bead palette down to beads where the RGB channel spread is 35 or less, ensuring clean gray-to-gray conversions.

Preview

The dialog shows a side-by-side preview: your original image on the left and the converted bead pattern on the right. Click the **Side**/**Stack** toggle to switch between side-by-side and stacked (vertical) comparison. Stacked mode shows larger previews, making it easier to compare fine details. All sliders update the preview automatically as you drag them. You can also click **Update Preview** manually. When satisfied, click **Import** to create the pattern.

Sample Photo

Click **Try Sample Photo** below the Update Preview button to load a built-in test image. Use it to experiment with different dithering combinations and see how they affect the output before loading your own photo.

Presets

Save up to three favorite dithering configurations as presets. After dialing in settings you like, click **Save** and choose a slot (1, 2, or 3). Click a preset button to instantly restore those settings. Presets also remember Merge stray beads and persist between sessions, so you can build a library of go-to settings for different types of images — one for portraits, one for landscapes, one for graphics.

> **Tip:** Start with Floyd-Steinberg dithering for most photographic images. For landscapes with skies, try Atkinson + Stucki blended at 50%. For logos or flat-color artwork, use no dithering for cleaner results.

Batch Photo Import

Studio can also convert several photos into separate patterns in one pass, with the settings above. See Batch Photo Import in chapter 41.

Rebuild from a Paper Chart

Rebuild from a Paper Chart turns a paper chart you own into a Krazy Stitcher pattern, so you can bead it, track it and print it for yourself. Open it from **File > Import > Rebuild from Chart**.

It reads two kinds of chart: a **word chart**, the row-by-row bead list many peyote and brick patterns print ("Row 3: 2 A, 1 C, 4 B"), and a **color chart**, a scan or photo of a printed chart in color. Charts printed only in black and white, with a symbol in each bead, are not read: Krazy Stitcher reads colors, not symbols.

The panel has no dark backdrop, so the pattern and the chart picture stay in view while you work. At the top of the panel you see this notice:

> **Patterns you own, for your own use.** This tool turns a paper chart you own into a Krazy Stitcher pattern so you can bead it, track it and print it for yourself. The design still belongs to its designer or publisher. Please don't share, sell or teach from a rebuilt pattern unless the designer allows it.

Original pattern (optional). Type the original pattern's **Title** and **Designer** if you like, up to 120 characters each. Krazy Stitcher keeps them with your pattern and shows them in Pattern Notes. The title is also used as the name of the new pattern.

A word chart

A word chart is read exactly, with no color guessing. Click **Type or paste a word chart...** to open the word chart window. Paste the chart into the box there, rows and key together, or click **Open a text file...** to open a .txt file. A word chart looks like this:

```
Row 1 (L): 2 A, 1 C, 4 B
Row 2 (R): 3 B, 4 A
A = DB-0010 Black
B = DB-0200 White
C = DB-0723 Red
```

Rows. Each row starts with Row, R, Rnd or Round and its number (or just "3:"). The label can carry (L) or (R), an arrow, or the row's bead total, such as (14). Beads can be written "2 A", "2A", "2xA", "A x2" or "A(2)", or as a letter alone for one bead.

The key. Lines such as "A = DB-0010 Black" are read for you. The Key list shows each letter with its bead number and a check mark when Krazy Stitcher finds the bead; you can type or fix a number there, and choose the brand under **Bead numbers are**. Bead numbers can be written in any common way: DB-0010, DB10 and db 0010 are the same bead.

Rows are read sets the direction of the rows: as each row is marked (L or R, arrows), all left to right, or turning (first row left to right, then back). If no row is marked L or R, every row is read left to right, and Krazy Stitcher tells you so.

Warnings. Under the preview, Krazy Stitcher lists anything worth checking: a row that is missing or listed twice, a row whose stated total differs from the beads it lists, a row with a different number of beads from most rows, text it could not read, a letter used in the rows but not in the key (often two letters run together: "2A3B" should be "2 A, 3 B"), and a letter that differs from the key only in capitals. Two rows listed together, such as "Row 1&2" at the start of many peyote charts, are put in one row: check the preview, and if needed split the line into two rows.

No bead number? A letter with no bead number, or with a number Krazy Stitcher cannot find, gets a placeholder color named, for example, "Key Q (no bead number)". Set it afterward with Confirm the key or Replace Color.

Check the **Pattern name** (the original title is filled in if you typed one) and the **Preview**, then click **Make the pattern**.

A color chart

For a scan or photo of a color chart, Krazy Stitcher reads the color in the middle of each bead, then you confirm the beads from the pattern's key. Work down the numbered steps in the panel:

1. Make a pattern the size of the chart. Count the beads across and down on the chart, enter the **Width** and **Height**, choose the **Stitch** (Loom, Square stitch, Peyote or Brick stitch) and click **New pattern for this chart**. You can also use the pattern that is open.

2. Load the chart picture. Click **Load picture** and choose the scan or photo of the page. It opens as the Trace picture behind the grid (see chapter 17, Use the Image Trace Overlay).

3. Line it up. Click **Adjust** and move, size and turn the picture until the chart's grid sits on the pattern's grid. Adjust is best for a flat scan. For a photo taken at an angle, or a page that curves near a book's spine, use **Straighten** (below).

4. Read colors from the picture. Choose the **Beads** brand to match, how to group the colors under **Colors** (Keep similar colors together, Keep more colors together, or Keep every color apart), and whether **White spots are empty** (on at first). Click **Read colors**. Krazy Stitcher reads the middle of every bead, so the chart's grid lines and most of a printed symbol are left out, and it follows the offset rows of peyote and brick. A message says how many beads and colors it read.

5. Confirm the key. Click **Confirm the key...** to open its window. It lists each color in the pattern, most used first, with how many beads it has. Type the bead number from the pattern's key (for example DB-0010); Krazy Stitcher checks it as you type. Tick **Empty** for a color that is really the paper. Two colors given the same number become one; leave a row blank to keep it as it is. Click **Use these beads**. If the pattern's key lists bead numbers, this step gives you the designer's exact beads instead of colors read from paper. In Studio the change is made on every layer. Read colors works on a pattern with one layer; for a pattern with more layers, make a new pattern for the chart or flatten the layers first.

Straighten. Click **Straighten** to open Straighten the chart. Drag the four numbered corners onto the outer corners of the chart's beads: 1 top left, 2 top right, 3 bottom right, 4 bottom left. The blue lines show where Krazy Stitcher will read; they should follow the chart's own lines. You can also click a corner's number and then click the picture where it goes (the next corner is chosen for you), or press Tab to reach a corner and move it with the arrow keys (hold Shift for bigger steps). The corners must go round the chart in that order. Click **Use these corners**: the picture is straightened and lined up with the pattern, and you can still fine-tune it with Adjust. **Undo Straighten**, in the same window, puts the picture back as it was.

Undo. Each step can be undone. Read colors and Confirm the key are each one Undo step, which also puts back the color key, bead numbers and names.

Charts on several pages. Rebuild each page as its own pattern, then join them with Split & Recompose (see chapter 31).

Where it came from. Krazy Stitcher marks a rebuilt pattern "Rebuilt from a scanned chart" so you remember where it came from. The line is at the top of Pattern Notes (click **Notes**, see chapter 10), with the original title and designer if you typed them, for example "Rebuilt from a scanned chart. Original

pattern: [title] by [designer].” You can add or change the **Title** and **Designer** there. The mark and the credit are saved with the pattern.

Selling tools remind you. The first time you use the Listing Page, Pattern Package, Booklet or Batch Export with a rebuilt pattern, a window says: “This pattern was rebuilt from a scanned chart. Only sell or share patterns you designed, or ones you have the designer's permission to sell. Your Krazy Stitcher license covers your own original designs.” Click **Continue** to go on, or **Cancel** to stop. Batch Export asks about the patterns you ticked and names the rebuilt ones. The reminder comes once for each pattern until you close or reload Studio.

Most pattern designers and magazines allow copies for your own use and don't allow sharing or selling them; check the terms printed on your pattern.

13. Manage Colors

Recolor (Global Color Replace)

Click **Recolor** in the toolbar. Select a "From" color and a "To" color from the dropdowns. The dropdowns list only colors in the current pattern. Click **Replace**. The app instantly changes every bead of the "From" color to the "To" color.

Merge Colors

Click **Merge** to combine two colors. Select the color you want to eliminate ("Merge This Color") and the color to replace it with ("Into This Color"). This is especially useful after photo import when the quantizer produces near-duplicate shades.

Reduce Colors

Click **Reduce Colors** in the toolbar to cut down the number of colors in the pattern you have open — for example, to buy and sort fewer bead colors. **The number you type is the number of colors you want to end up with, not the number to remove.** Typing 62 means “finish with 62 colors.” The label above the box always tells you how many colors the pattern has right now (“pattern has 64 now”).

Reduce Colors settings

Setting	What It Does
Reduce to this many colors	The number of colors you want the pattern to have afterward. It starts at about four-fifths of the current count. Typing the current count or more changes nothing.
Algorithm: Merge Closest Colors (recommended)	Combines the rarest, most alike colors first, one pair at a time, until exactly your number remain. Every color you keep is a bead color that was already in your pattern, so nothing is re-matched and no new colors appear. The pattern ends with exactly the number you asked for.

Setting	What It Does
Algorithm: Bayer Matrix Dithering	Re-draws the pattern as a textured mix of fewer colors, then matches the result to the bead palette selected on the right. The final count is approximate, and the window says so.
Dither Matrix Size	Only for Bayer Matrix Dithering: 4 × 4 or 8 × 8. The larger matrix gives a finer texture.

> **Example — reducing 64 colors to 62.** Your pattern uses 64 colors. Click **Reduce Colors**. The label reads "Reduce to this many colors (pattern has 64 now)." Type **62**. The preview reads "Current colors: 64. After reducing: exactly 62 colors — 2 colors merged away," and lists the first few merges (for example "C47 → C11 (27 beads)" means every bead of C47 becomes C11). Click **Apply**. The Colors count at the bottom of the screen now says 62, and you have lost only the two colors that looked most like another color you still have. If you do not like the result, click **Undo** (Ctrl+Z) and the pattern comes back with all 64.

If you type a number equal to or higher than the colors you already have, the preview says "nothing would change" — type a lower number. A color that is merged away gives up its chosen symbol; the color it merges into keeps its own. Reduce a few colors at a time and look at the result: it is quick to Undo, and small steps let you keep control of which shades survive.

Confetti Cleanup

Click **Cleanup** to remove isolated single beads surrounded by a different color. The algorithm checks each bead's four neighbors. If all four neighbors share the same color and the center bead differs, the app replaces it with the majority color. This cleans up photo-converted patterns.

> **Tip — Post-Import Workflow:** After importing a photo, run **Cleanup** first to remove scattered beads, then use **Merge** to combine any near-duplicate colors. This typically reduces a 20-color pattern to 12–15 distinct, clean colors.

DMC → Delica Converter

Click **DMC → Delica** (Analyze menu) to look up Miyuki Delica beads for DMC six-strand floss colors, for example when you turn a cross-stitch chart into a bead pattern. The list has all 489 DMC colors. Each one shows the three closest Delicas from Krazy Stitcher's own DMC Floss to Miyuki Delica chart, best first, with the same ratings as the chart.

Ratings. The DMC floss colors are community values, not measured by us or published by DMC, so no match is rated better than Fair, and floss and glass never look identical. A DMC color with no Delica close enough says No close match and still shows the nearest three. Click How to read the ratings in the converter for the full scale. For example, DMC 333 (Blue Violet Very Dark) shows DB0696 first, marked Beader pick (KS): our beader chose it by eye against the real bead and thread. A beader pick shows that label instead of a rating, and its color difference is still shown.

Floss and finish. Cotton floss looks solid, so the first pick is a solid bead with no metal surface. When a see-through or other bead of a different finish is clearly closer, it is shown as a second choice marked different finish. Metal beads are never offered for floss. When two picks are almost the same, a note says they are equally close: choose by finish or by what you can get. Every match is our best estimate, based on the Krazy Stitcher Bead Color Conversion Standard.

Names. Each DMC color shows the name beaders and shops use. When DMC's own website uses a different name, it is shown as also called (for example 3865 Winter White, also called Edelweiss). Search finds either name. My Matches shows the DMC name next to a DMC pin.

Search and print. Search by DMC number (333), color name (violet) or Delica code (DB1225 lists the DMC colors that bead matches). Click a Delica code to pin it as your own match in My Matches. Print full list prints every DMC color with the rating scale.

> **Color data:** craft-color-codes by MakeBead (https://makebead.com), CC BY 4.0. Check a match against real beads before buying in quantity.

Brand Swap

Brand Swap converts a whole pattern to another bead brand, for example Miyuki Delica to Toho Round. It rates every color, checks the finish and, when the two brands have beads of a different shape, offers to resize the pattern. Open it from the Color menu: Brand Swap is next to Quick Remap, and its window is titled Brand Swap. Nothing in your pattern changes until you press Apply.

Step 1: Choose brands. Brand Swap reads the bead numbers in your pattern and says which brand it recognized (for example "We recognized 12 of 14 colors, mostly Miyuki Delica"). Check Swap from and choose the brand to swap to. A color it cannot recognize is matched by its color alone. Matsuno and Mill Hill are marked (preview), because their color lists are not complete yet.

Step 2: Review matches. Brand Swap lists every color in your pattern, the most used first. Each color has up to three candidate beads, each with a rating (Excellent, Good, Fair or Poor) and a note when the finish is different. Choose a different candidate, type another bead number, or choose Keep as is to leave that color as it is. A color marked Needs your choice must be chosen before you go on. A line at the top counts the ratings and says how much of your pattern is Fair or worse.

Bead shape. Delica beads are cylinders and round beads are a different shape, so a straight swap can make the piece look stretched or squashed. When the shapes differ, the bottom of Step 2 offers three choices: Same width in beads, fix the proportions (chosen at first); Same finished size (fewer beads, so some detail is lost); or Keep my grid (shape will change). Each choice shows the new size in beads and in millimeters. Only rectangular loom and square-stitch patterns can be resized; other patterns keep their grid.

Step 3: Apply. You see the pattern before and after. Choose Create a new pattern (it is named after your pattern and the new brand) or Replace colors in this pattern. A resized swap is always applied as a copy, so Replace is not offered when the size changes. Download report (CSV) saves the list of every color, its new bead and its rating. Then press Apply.

Your own matches come first. When you have pinned your own bead in My Matches for a color, Brand Swap uses it and marks it (your match).

Undo. After Replace colors in this pattern, one Undo takes the whole swap back, with the bead numbers and names. Redo puts it back.

Ratings are estimates. The ratings are our best estimate, based on our color conversion standard. They compare bead colors taken from photos of the beads; they are not measurements. A match is a bead you can buy when the original is hard to get. Compare the beads side by side in daylight before you buy, especially for large areas.

Good to know. Brand Swap downloads its bead data with your Studio license key, so open it once while you are online. After that it also works offline.

Alternate Colors and Older Delica Numbers

Every bead from a brand with color data (Delica, TOHO, Preciosa, Miyuki Rocailles, Matsuno and Mill Hill) has an alternate color. The alternate is the nearest other bead of the same brand that your pattern does not already use. A bead with the same finish comes first. Use it when the first bead is hard to get.

Where you see it. The alternate is shown under each color in Bead Count and in the Shopping List. Alternate colors (view or print), under Used in Pattern and in Bead Count, or Alternate colors in the Shopping List, opens one list of every color in the pattern: its symbol, the bead, the bead count, the alternate, how close it is, and a Use button. Print list prints only the list, headed “Alternate colors for:” and the pattern name.

Use ... instead. An alternate never goes on your pattern, its charts, PDFs or lists until you choose it. Click Use … instead to put the alternate in place of the original bead in the whole pattern. The original bead number is then replaced on the bead count, so the bead count and the shopping list follow. One Undo puts the original bead back.

How good is an alternate? Every alternate is a best estimate, based on our color conversion standard. It is rated like our conversion charts: Excellent, Good, Fair or Poor. A bead of a different finish is labeled (for example “different finish: matte”) and is never rated better than Fair. When a bead of a different finish is clearly closer, the list shows it as a second choice with its own button. Most Delica alternates rate Fair: they are beads you can buy as a substitute, not identical beads. Compare the beads side by side in daylight before you buy.

No alternate. Custom colors, the Generic palette, custom palettes and beads whose color you have edited get no alternate.

Older Delica numbers. Some older Delica numbers have colors estimated from the bead’s name, not taken from photos of the beads. Krazy Stitcher matches with the 446 Delica colors that come from bead photos. An older number is only offered as a Second choice, never as the first pick. A pattern that uses an older number keeps it and gets one short note at the start of its color list, bead count, shopping list and printed reports; there is no “approx.” mark next to each bead. Use … instead swaps an older number for the nearest photo-based bead.

In the Help panel, the section Older Delica colors, and how we see color explains more, and why everyone sees color a little differently.

14. Transform a Pattern

Pattern transform tools

Tool	What It Does
Mirror	Flips the pattern horizontally (left-to-right). Useful for creating symmetric patterns.
Flip	Flips the pattern vertically (top-to-bottom).
Rotate	Rotates the pattern 90° clockwise. The app swaps width and height. Repeat three times for a full 360°.
Turn piece	Rotates 90° clockwise the way you turn the real beadwork on the table. The bead holes turn too (see Bead Shape), and a peyote piece becomes brick while a brick piece becomes peyote, including 2-drop and 3-drop. Works on loom, square, peyote and brick patterns.
Change stitch	Switches a loom pattern to square stitch, or a square stitch pattern to loom. No bead moves; only the stitch type changes, and with it the thread and time estimates. It asks first. Loom patterns with fringe need the fringe removed first. Other stitches have no identical twin and are not offered.

You can undo all transforms with `Ctrl+Z`. The undo system preserves both the grid data and the dimensions.

Callouts move with their beads when you Mirror, Flip, Rotate, Turn piece, Scale or Split the pattern, or insert or remove a row or column; an arrow moves both ends. A callout on a row or column you remove is removed with it, with a message, and Undo brings it back.

15. Select, Copy, and Paste

Switch to the **Select** tool (`S`), then click and drag on the canvas to draw a selection rectangle. A dashed red border highlights the selected region.

Selection actions and shortcuts

Action	Shortcut	What It Does
Copy	`Ctrl+C`	Copies the selected region to the clipboard.
Paste	`Ctrl+V`	Pastes the clipboard contents at the top-left corner of the selection rectangle. If you have no active selection, pastes at (0, 0).
Delete	`Delete`	Clears (erases) all beads inside the selected region.

Action	Shortcut	What It Does
Cut	`Ctrl+X`	Copies the selected region and clears it.
Move	`Arrow keys`	Moves the selected beads one bead at a time.

> **Tip:** To paste into a specific location, first select the target area, then press `Ctrl+V`. The paste begins at the top-left corner of your selection.

Callouts follow the beads. Moving a selection with the arrow keys moves the callouts on the moved beads (an arrow moves only when both ends are in the selection). Cut takes the callouts on the cut beads along, and Paste puts them on the pasted beads, in the same pattern or another one; pasting the same cut again does not add a second set. Callouts that would land outside the pattern, or beyond 200 on a pattern, are left out, and a message says how many. Copy never copies callouts, and Delete leaves them where they are. Undo and Redo work for all of these.

16. Place Text on the Canvas

Click the **T** button in the tool panel (or press `T`) to open the text dialog. Enter the text you want to place and choose a font size:

Text tool font sizes

Size	Bead Height	Bead Width per Character	Use Case
5 (tiny)	5 beads	~4 beads	Small labels, annotations
7 (small)	7 beads	5 beads	Standard text (native font size)
9 (medium)	9 beads	~6 beads	Larger text, headings

Click **Place Text**, then click anywhere on the canvas to stamp the text. The app renders text in the current drawing color. The built-in 5×7 font supports A–Z, 0–9, and common symbols.

Once placed, text becomes regular beads — you can edit, erase, or recolor individual beads.

17. Use the Image Trace Overlay

The trace overlay lets you display a reference image behind your bead grid while you hand-edit a converted pattern. The trace does **not** auto-enable on photo import — click the **Trace** button in the toolbar to load a reference image when you want one.

Controls

Once a trace image is loaded, the **Trace** slider appears in the toolbar. Slide it to adjust overlay opacity from 0% (invisible) to 100% (fully opaque). Click the × button next to the slider to remove the trace entirely.

> **Tip:** Set trace opacity to about 30% for a subtle reference, or 60–70% to closely compare your bead placement against the original photo.

18. Track Your Bead Inventory

Click **Inventory** in the toolbar to mark which bead colors you own. Owned colors display a green ✓ on their palette swatch and in the bead count table. Colors not in your inventory show a red × in the bead count table so you know what to buy.

How to Add Beads

1. Open the Inventory dialog (**Inventory** button).
2. Click **Add Current Color** to add the active palette color, or **Add All Pattern Colors** to add every color used in the current pattern.
3. Each entry shows the color swatch, name, brand ID, and a remove button.

Shopping List Integration

When you have inventory data, the CSV shopping list (**Export CSV** in the Counts dialog) adds an "In Inventory" column. Colors you own show "Yes" and colors you need show "NEED TO BUY".

With an inventory, the Bead Count table adds Have and To buy columns, in grams for the bead type chosen there. Inventory > Shopping List shows Need, Have and To buy for the pattern; Export CSV saves it.

Import CSV and Export CSV. Export CSV saves your inventory as a CSV file, and Import CSV reads one back. Every row is checked before anything changes. A row with no color or no valid amount is skipped and counted, never set to zero, and a message says what went wrong.

Beads you own are found by bead number too. Bead Inventory keeps each bead under its color. If Update bead colors or a palette update gives a bead a new color, beads you saved under the earlier color still count as owned: in the Shopping List and its PDF, print and CSV, in Bead Count (Have and To buy), in the Bead Count CSV's In Inventory column, in the shop links and in the owned marks on the palette. This works for beads from the brand palettes. A custom color is found by its color only, and when two inventory items have the same bead number, neither is used.

> **Tip:** Use **Clear All** to reset your inventory when you start fresh. Inventory data is saved in your browser and persists between sessions.

19. Estimate Project Cost

The Cost Estimator helps you budget for a pattern before you buy beads. It lives inside the **Counts** dialog — click **Counts** in the toolbar, then expand the **Cost Estimator** section.

How to Use

1. Set your **Price per tube** (default: $3.49).
2. Set the **Beads per tube** (default: 1400 — typical for 11/0 Delica tubes).
3. The estimator calculates how many tubes each color needs and the per-color cost.
4. If you have inventory data, owned colors are crossed out and excluded from the total.

Cost data is also included in the CSV export when a price is set.

> **Note:** Prices and tube sizes vary by brand and retailer. Adjust the values to match your supplier for the most accurate estimate.

20. Calculate Sizes and Counts

Bead Count

Click **Counts** to open the Bead Count window, with a table that has one row for every color in your pattern. Each row starts with a little square that shows the color with its symbol on it, followed by the color name, its ID, the bead count, the weight in grams, and the percentage. Click a column heading (**Color**, **ID**, **Count**, **Grams**, or **%**) to sort by it. The app highlights low-count colors (default threshold: 5 beads) in orange — merge these to simplify your palette.

> **Tip:** Click a symbol to choose a different one for that color. The window shows this tip under the table. See Choose Your Own Symbols for the steps.

Finished Size Calculator

Click **Size** to calculate the real-world dimensions of your finished piece. Select your bead type from the dropdown:

Bead type dimensions

Bead Type	Width × Height
11/0 Miyuki Delica	1.6mm × 1.3mm
11/0 Toho Round	2.2mm × 2.2mm
11/0 Miyuki Rocailles	2.0mm × 2.0mm
11/0 Matsuno	2.0mm × 2.0mm

Bead Type	Width × Height
11/0 Mill Hill	2.5mm × 2.5mm
11/0 Toho Aiko	1.75mm × 1.0mm
11/0 Toho Treasure	1.7mm × 1.3mm
8/0 Round	3.0mm × 3.0mm
15/0 Round	1.5mm × 1.5mm
10/0 Delica	2.2mm × 1.6mm
Custom	Enter your own dimensions

The result shows width and height in both millimeters and inches.

Bead Shape

Real beads are rarely square. A Delica, for example, sits a little taller than it is wide in loom work, so a chart drawn with square beads can look squat next to the finished piece. Bead Shape draws every bead on the chart in the shape of the beads you stitch with. Your design and your bead counts never change; only the way the chart is drawn.



Figure: the same design drawn with four different bead shapes. Only the drawing changes; the pattern and the bead counts stay the same.

- **Open it:** click Analyze at the top of the screen, then Bead Shape (it sits next to Size). You can also click the Bead shape label at the bottom of the screen. That label only shows when the open pattern is not square.
- **Square:** the classic chart look. Every pattern starts square unless you choose otherwise.
- **Match my beads:** choose your bead from the list, such as 11/0 Miyuki Delica or 11/0 Toho Aiko. The small picture in the window shows the shape before you apply it. Round beads always draw square.

- **Holes run:** for loom and square stitch you choose; Automatic draws the holes left to right, the way a loom is woven. For every other stitch the stitch decides, and the window simply says which way: brick charts draw the holes left to right, peyote and gourd charts up and down. Stitches such as herringbone and right angle weave stay square, because their beads sit at angles. If your piece really is different, tick Different on your piece? Choose it yourself, then pick Left to right or Up and down.
- **Custom:** type your own height to width, from 0.5 (twice as wide as tall) to 2 (twice as tall as wide). A number above 1 is taller than wide.
- **Brand Swap:** a pattern set to Match my beads switches to the new brand's bead when you swap, for example from Delica to Toho Round. Square and Custom stay as they are.
- **Use this shape for new patterns:** tick this box and every new pattern starts with the same shape. Each time a new pattern picks up the saved shape, a short message says so, so a shape is never carried over by accident.
- **Reset to Square:** one click puts the open pattern back to square beads and turns off the new-pattern setting.

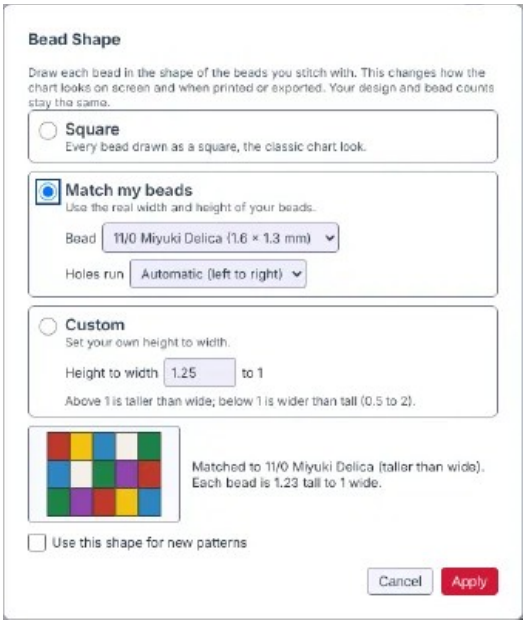


Figure: the Bead Shape window, with the preview picture and the New-pattern checkbox.

- **What uses the shape:** the canvas, PDF and printed charts, the print layout and B&W chart pages, PNG, Hi-Res PNG and SVG pictures, the 3D preview, and the Finished Size calculator. Bead Shape changes can be undone with Undo or Ctrl+Z. The small pictures in the Saved Patterns list stay square.
- **Photo Import:** if you saved a shape for new patterns, Photo Import takes fewer rows for tall beads (or more for wide beads) so the finished piece keeps the photo's proportions. The preview is drawn in the same shape, and the line under it says the rows were set for your bead shape.

> **Tip:** If a new pattern looks stretched or squashed, look for the Bead shape label at the bottom of the screen, or open Bead Shape and click Reset to Square.

Quick Remap and Brand Swap

Click **Quick Remap** to convert all bead colors in your pattern to the nearest match in a different brand palette. This is useful when you designed with Miyuki Delicas but want to switch to Toho Rounds (or the other way around). Click **Preview** first to see the color mapping before committing.

Quick Remap is a fast, approximate swap with no ratings. Its window is called Quick Remap (approximate). For a rating on every color, a finish check and a size offer when cylinder and round beads differ, click Use Brand Swap instead in that window, or choose Color > Brand Swap. See Brand Swap in chapter 13.

Pattern Difficulty Score

Click **Score** to see a 0–100 difficulty rating for your pattern. The score considers:

- **Size** — larger patterns are harder (up to 30 points)
- **Color count** — more colors means more thread or needle changes (up to 25 points)
- **Color complexity** — frequent color changes within rows (up to 25 points)
- **Confetti beads** — isolated single beads surrounded by different colors (up to 10 points)
- **Stitch type** — advanced stitches like RAW and herringbone add difficulty (up to 10 points)

Ratings: **Beginner** (0–20), **Easy** (21–40), **Intermediate** (41–60), **Advanced** (61–80), **Expert** (81–100).

21. Choose Your Own Symbols

Every color in your pattern is marked with its own symbol, so you can tell the colors apart on a black-and-white printout. Symbols come in two styles, and you choose the style for each pattern: Classic shapes (118 pictures such as circles, squares and stars) or Easy to read (numbers, letters and keyboard symbols such as 1, A, @ and g, followed by the shapes). Classic shapes is the default. A symbol repeats only if a pattern has more colors than its style has symbols: 118 for Classic shapes, 206 for Easy to read.

Unless you choose otherwise, the program hands out the symbols in the order the colors first appear when you read the pattern from left to right, starting with the top row. A color keeps the same symbol everywhere: on the chart (when the **Symbols** box in the row of buttons across the top is checked), in the **Used in Pattern** list, in the Bead Count window, in the PDF, in the Print Layout, and in the B&W Chart.

Switch a Pattern to Easy to Read

Many beaders find numbers and letters quicker to follow while stitching than small pictures. To switch the open pattern, click **Counts**, find **Symbols for this pattern** near the top of the Bead Count window and choose Easy to read. The same choice is at the top of the small symbol window described below. To

go back, choose Classic shapes. Tick **Use Easy to read symbols for new patterns** in the same place to start every new pattern that way; patterns you already have do not change.

With Easy to read, the program hands out the clearest symbols first: numbers, capital and small letters that are hard to confuse, and keyboard symbols such as @ # $ & ( ) / + ? % * = ! < > ~. If a pattern has more colors than that, it goes on to letters and numbers that can be mistaken for each other when you turn the chart (for example 6 and 9), then the numbers 11 to 20, then simple shapes, then the rest of the shapes. Every color still gets a different symbol until all 206 are used.

> **Note:** Switching a pattern's style resets any symbols you picked by hand for that pattern to automatic. Undo brings them back.

You can give any color a different symbol. There are two ways to open the small window where you choose it.

Way 1: From the Bead Count window

1. Click **Counts** in the row of buttons across the top. The Bead Count window opens.
2. Find the row for the color you want to change. The little square at the start of the row shows the color with its symbol on it.
3. Click that little square. The symbol window opens.

Way 2: From the Used in Pattern list

1. Find the list headed **Used in Pattern** in the panel on the right side of the screen, below the grid of palette colors. Each little square in it shows a color with its symbol.
2. Point at the square for the color you want to change.
3. Press the right mouse button. The symbol window opens.

> **Note:** Clicking one of these squares with the left mouse button does not open the symbol window. It selects that color for drawing. If you use the keyboard instead of the mouse, press `Tab` until the square you want is selected, then press `Shift`+`Enter`.

What the symbol window shows

A small window opens on top of the picture. Its heading is **Symbol for** followed by the color's ID and name. Below the heading are all 206 symbols, one button for each, in groups: Numbers, Capital letters, Small letters, Keyboard symbols and Shapes.

- The symbol the color has now has a heavy outline around it.
- A small dot in the corner of a symbol means another color is already using that symbol. The dot shows which color has it. Rest the pointer on the symbol to see that color's name.
- At the bottom are two buttons, **Automatic** and **Close**.

Choose, trade, or go back

- **To choose a symbol** — Click it. The window closes, and the new symbol shows on the chart, in the Used in Pattern list, and in the Bead Count window.
- **To trade with another color** — Click a symbol that has a dot. The two colors trade: your color takes that symbol, and the other color takes the symbol your color had.
- **To go back to the automatic symbol** — Click **Automatic**. That color gets the symbol the program would give it by itself. The button is gray and cannot be clicked until you have chosen a symbol for that color.
- **To leave without changing anything** — Click **Close**, press `Esc`, or click anywhere outside the small window.

> **Note:** The **Undo** button takes back a symbol change, including a trade with another color (one Undo puts both colors back) and a switch between Classic shapes and Easy to read. **Automatic** is the other way to go back for a single color.

The symbols you choose are saved with the pattern. They are still there when you save and reopen the pattern, when you make a copy with **Duplicate**, and when you export the pattern and import it again.

> **Note:** The text chart (the `.txt` file inside a `.ksp` package) prints each symbol as a character, so how it looks depends on the fonts on the computer that opens it. It may not look the same as the symbol on the screen.

When Colors Share a Symbol

Classic symbols cover 118 colors and Easy to read symbols 206. A pattern with more colors than its symbol set has to use some symbols twice. Used in Pattern then lists each shared symbol and its colors, with a Reduce Colors button and, when Easy to read symbols would give every color its own, a button to switch to them. The chart key in the PDF, the text chart, Print Layout, the B&W chart and the Pattern Package materials page adds a line saying some symbols are shared, and the export commands remind you, at most once a minute.

22. Export and Share Patterns

Export PDF

Click **Export PDF** to save a print-ready PDF of your pattern. The program saves it as a file named after your pattern (for example `PatternName.pdf`) in the place your browser keeps downloads, so open that file to print it. The PDF has a color key and the pattern grid, with each bead's symbol on its color. The key lists each color with its symbol and bead ID, and it fits on the page. If a bead name is too long for its space, the name ends with "…". The thin grid lines are gray, and every 10th row and every 10th column has a bold black line, so the pattern breaks into 10 × 10 blocks that are easy to count.

Offset stitches: peyote, brick, spiral, netting and the other offset stitches export the way the screen shows them, with every row or column in its staggered place, in the PDF and printed chart, the print layout and B&W chart pages, and the PNG, Hi-Res PNG and SVG pictures. The bold line every 10 rows and columns steps along the bead edges instead of cutting through beads, on the screen as well as in the exports.

Print... Settings

To choose how the PDF prints, click **Print...** in the row of buttons across the top. The **Print / PDF Settings** window opens. Make your choices, then click **Export PDF** in that window.

- **Cell Size (pts)**, **Paper Size** (US Letter, US Legal, A4, A3, or Tabloid), and **Orientation** (Landscape or Portrait).
- **Custom Text/Branding** — your name or shop name, printed on every page.
- **Page Overlap (cells)** — repeats this many rows and columns on each page next to it, to make lining up the pages easier.
- **Legend Placement** — **Separate page**, **Same page as first grid page**, or **Auto (same page if it fits)**.
- **Color Mode** — **Full Color** prints each bead as its color. **Symbols Over Color** prints the symbol on every colored cell. **Black & White Symbols Only** prints just the symbols in black, for a printer with no color ink.
- **Presets** — click **Save as Preset** to keep your choices and pick them again later from the list.

Printing Big Patterns

See the page count first. The Print... window has a Pages box that says how many pages the PDF will have, for example “Prints on 7 pages: 6 chart pages (2 across × 3 down), plus 1 color key page. Cells 4.9 mm.” It changes as you change the cell size, paper, orientation or any other setting.

Fit to pages. Choose Fit to, then type how many pages across and down you want. Krazy Stitcher works out the cell size. If the pattern cannot fit that small, the window says so and suggests more pages, bigger paper or a page range.

Print only some pages. Type the first and last chart page in Print chart pages, for example the part you are beading now. Leave both boxes empty to print every page. The color key always prints, and each chart page is labeled “Page 3 of 24” so the pages stay in order.

Join the pages. When a chart prints on more than one page, each page that continues another has a dashed gray cut line along its left or top edge, with a thin gray strip on the side you cut away, and a note at the bottom says which page it goes over. Cut along the line, lay the page over the one before it so the beads line up, and tape from the back. For peyote, brick and the other offset stitches the line steps along the bead edges, so no bead is cut. Page Overlap of 1 or 2 makes lining up easy: the repeated beads are shaded light gray and sit on top of the same beads on the page before. It all prints in black and white. To leave the lines out, untick Cut lines for joining pages.

Small cells. Symbols are easiest to bead from at 14 pt cells (4.9 mm), the size Export PDF uses. Between 6 pt and 10 pt (2.1 to 3.5 mm) the window adds a gentle note that the symbols are small but can be

read; below 6 pt it warns you, because they are too small to bead from. Full Color cells smaller than about 1.8 mm are fine for an overview but hard to bead from.

No surprise stacks of paper. Any PDF over 30 pages asks before it is made. Export PDF on its own opens the Print… window instead of downloading when the pattern would print on more than 30 pages. When you Share such a pattern, the package holds a one-page overview and the color key instead of the full chart; the pattern file inside is complete, so the full chart can still be printed from Print….

Before you import a photo. Under Max Width in the Import Photo window, Krazy Stitcher shows about how many pages the new pattern would print on at the standard size, and updates it as you change the width.

Please re-print older charts made with the key on page 1. Before this version, a PDF with Legend Placement set to “Same page” (or “Auto”, when it put the key on page 1) could leave out a strip of rows below the first page. Every row prints now.

Smart Print

Smart Print is the second box in the Print… window. It is for big patterns, where printing everything at once is rarely what you want.

Print the area you selected. Use the Select tool to drag over part of the pattern, open Print…, and under Print choose “The area I selected”. Or choose “These rows and columns” and type them. The chart keeps the pattern’s real row and column numbers, so it matches your full chart. Print always starts at “The whole pattern”, and tells you when you have an area selected.

Choose pages on the page map. The map shows the whole pattern with every chart page outlined and numbered. Click a page to leave it out, click again to put it back, or type pages such as 1-4, 9 in the Pages box. With the keyboard, the arrow keys move from page to page and Space leaves a page out or puts it back. All pages puts every page back.

Page map page. Tick “Start with a page map” to put the whole pattern on the first page of the PDF, with every chart page outlined and numbered and the pages in this PDF outlined in bold.

Page-join marks. Tick it and each chart page says which page continues to the right (p.2 >) and below (next page down: p.5), and with Page Overlap a dotted gray line shows where the repeated cells start. The marks print in gray, like the cut lines, so they work on a black-and-white printer.

Page breaks on whole 10s. Rounds each page down to whole 10s of cells, so the bold 10-lines fall on the page edges. Works best with Page Overlap set to 0.

Print Layout and the B&W Chart pages, which you print from your browser, also ask first when they would print on more than 30 pages.

Pattern Package and Booklet

The Pattern Package box at the bottom of the Print… window makes one PDF with a cover, color key, materials list, color chart and black-and-white chart, or the same as a fold-and-staple booklet, with your own cover design and buy links. See chapter 43.

Saving and Printing

Save where you want. In Chrome and Edge, every export (PDFs, pictures, the Word chart, bead lists, backups, the Pattern Package) opens a Save window. Choose the folder or drive, such as Documents, a USB stick, or a Dropbox, Google Drive or OneDrive folder, and the file name. Each kind of file remembers the last folder you used. Cancel saves nothing.

Next to your patterns. If you use a Pattern Folder, tick “Start in my Pattern Folder” in the Print… window and the Save window opens in that folder, so a pattern’s PDF sits beside its .ks file.

Back to Downloads. To send files straight to your Downloads folder as before, untick “Ask where to save each file” in the Print… window. In Firefox and Safari, files go to Downloads unless you turn on the browser’s own “ask where to save” setting (see Choosing a Browser).

Print now. The Print now button in the Print… window makes the same PDF and opens it in a new tab. Click its printer icon to open your computer’s print window, where you choose the printer, the number of copies and two-sided printing. The chart opens in a new tab: click its printer icon (or press Ctrl+P, ⌘P on a Mac) and choose your printer.

Actual size. In the print window, set Scale to Actual size (100%), not “Fit to page”, so each bead prints at its real size, and make sure the paper size matches the paper in the printer.

Symbols fit their beads. Each symbol in the PDF is sized to its cell and centered in it, so symbols no longer spill into the next bead in small cells or look lost in big ones.

Export PNG

Click **Export PNG** to save the pattern as a PNG image file. Each bead renders as a 10×10 pixel square. The resulting image is useful for sharing previews online, embedding in documents, or printing.

See-through PNG. File > Export PNG, See-Through saves the bead picture with no background, so empty spots are see-through. Use it for mockups and shop pictures. The file is named after the pattern, ending in “- see-through.png”. The High-Resolution PNG window has a See-through background box that does the same; it is remembered in this browser. Some photo viewers and older programs show see-through areas as black; web browsers show them correctly.

Export SVG and 300 DPI Export

Click **Export SVG** to save a scalable vector chart of your pattern. Click **300 DPI Export** to save a PNG sized so that, when it is printed at your pattern’s real-world finished size, it comes out at exactly 300 pixels per inch.

Word Chart

Click **Word Chart** to export a formatted HTML word chart. The chart includes:

- A color legend with color blocks showing each bead color, ID, and name
- Row-by-row chart with colored bead blocks and run-length instructions (e.g., "3 Black, 5 Red, 2 White")

- A bead count summary table sorted by quantity

Open the HTML file in any browser and print it. The chart is styled for clear readability at the bead table, with alternating row shading and compact color blocks. This is the document beaders work from while stitching.

Export Pattern and Import Pattern

Export Pattern saves the current pattern as a `.ks` JSON file. This includes all grid data, colors, dimensions, and pattern settings. Use this to back up your work or transfer patterns between computers.

Import Pattern loads a previously saved `.ks`, `.json`, or `.ksp` package file and adds it to your saved patterns. See the next section for details on `.ksp` packages.

Batch Export

To export many saved patterns to PDF and PNG at once, see Batch Export in chapter 45.

23. Share, Archive, and Import Patterns

Krazy Stitcher v1.1 introduces `.ksp` (Krazy Stitcher Package) files — a zip-based format that bundles everything related to a pattern into a single file for sharing or archiving.

What's Inside a .ksp File

A `.ksp` package contains six files:

Contents of a .ksp package file

File	Purpose
`PatternName.ks`	The full pattern data (grid, colors, dimensions, color map). This is the file Krazy Stitcher uses to reconstruct the pattern.
`PatternName.png`	A PNG preview image of the pattern. Useful for quick viewing without opening the app.
`PatternName.pdf`	A print-ready PDF with the full color grid, symbol legend, and bead count summary.
`PatternName - Word Chart.txt`	A text-based row-by-row chart with symbol mapping and run-length instructions.
`PatternName - Bead Count.csv`	A CSV spreadsheet with color names, IDs, hex values, bead counts, and percentages.
`metadata.json`	Machine-readable info: pattern name, type, dimensions, bead count, color count, export date, and Krazy Stitcher version.

Sharing a Pattern

1. Open the pattern you want to share.
2. Click the ✉️ **Share** button in the toolbar.
3. A dialog appears with two options:
   - **Share via...** — Uses your device's native share menu (email, messaging apps, AirDrop, etc.). This option appears only on devices that support the Web Share API (most phones and modern desktop browsers).
   - **Download .ksp File** — Saves the package to your computer. You can then attach it to an email, upload it to a forum, or send it any way you like.

> **Tip:** The `.ksp` file is a standard zip archive with a different extension. If someone wants to peek inside without using Krazy Stitcher, they can rename it to `.zip` and extract the PNG, PDF, or CSV normally.

Archiving a Pattern

Archiving saves a complete `.ksp` package to your computer and then removes the pattern from your browser's local storage. This is useful for keeping your pattern list clean while preserving finished work.

1. Click the 📦 **Archive** button in the toolbar (archives the current pattern), or click the small 📦 icon next to any pattern in the sidebar list.
2. Confirm the archive. The `.ksp` file downloads automatically.
3. Krazy Stitcher removes the pattern from your browser storage.

> **Important:** Once archived, the pattern is no longer in your browser; it lives in the downloaded `.ksp` file. Store it somewhere safe — a dedicated folder, cloud backup, or external drive. If you use a pattern folder, the pattern's `.ks` file is moved into the folder's _deleted folder, not erased.

Importing a Pattern

To load a pattern from someone else, or to restore an archived pattern:

1. Click **Import Pattern** in the toolbar.
2. Select a `.ksp`, `.ks`, or `.json` file.
3. Krazy Stitcher imports the pattern and adds it to your saved patterns list. It assigns a new unique ID, so it will not overwrite any existing patterns.

When you load a `.ksp` file, Krazy Stitcher extracts the `.ks` data inside the package. The package includes PNG, PDF, and other files for convenience, but only the `.ks` file contains the pattern data.

A Note on Format Compatibility

There is no universal standard file format for bead patterns. Every beading software uses its own proprietary format:

- **BeadTool** uses an internal database file.
- **Beadographer** stores patterns on its own servers (web-based only).
- **JBead** uses `.jbb` files, but only for bead crochet rope patterns.
- **Bead-n-Stitch** has its own format as well.

The closest thing to an open standard in the broader craft space is the **OXS** (Open Cross Stitch) format, but it's designed for cross-stitch, not beadwork.

Because of this, `.ksp` files can only be opened by Krazy Stitcher. However, every package includes a PNG preview and a print-ready PDF, so recipients can always *see* the pattern even without the app. To work with the pattern in a different tool, the PNG image can be imported into most beading software via their photo-import feature.

> **Sharing with non-Krazy Stitcher users:** Send them the `.ksp` file along with a link to Krazy Stitcher. They can open the app in any browser, click Import Pattern, and load the package immediately — no install, no account.

24. Manage Saved Patterns

Your patterns are always kept in this browser on this computer. If you choose a pattern folder (Chrome, Edge, Opera), each one is also kept as a .ks file in that folder, which survives clearing your browser and can be shared with your other browsers and computers. Without a pattern folder, clearing your browser's data or switching browsers or computers loses them, so use **Backup All** regularly.

Pattern Management

- **Save** — Saves the current pattern in this browser and, if you chose a pattern folder, to its `.ks` file in that folder. Shortcut: `Ctrl+S`. The status bar shows total storage used.
- **Duplicate** — Creates a copy of the selected pattern, with its callouts on the same beads. Great for experimenting without risking your original.
- **Delete** — Click the red × button on any pattern in the list to remove it. With a pattern folder, its file moves into the _deleted folder.
- **Clear All** — Removes all saved patterns (use with caution). With a pattern folder, their files move into the _deleted folder.

> **Important:** Without a pattern folder, your patterns are only in this browser: clearing browser data or using a different browser or computer means starting fresh. Choose a pattern folder (below), and use **Backup All** regularly for custom palettes and inventory.

Save Patterns to a Folder

> Krazy Stitcher never stores your patterns. Keep them safe in your own Dropbox, Google Drive or OneDrive folder, and they follow you to any browser or computer.

Krazy Stitcher Studio can keep each pattern as its own file, named after the pattern (for example "Sunflower Cuff.ks"), in a folder you choose. You can see the files, back them up, and open them from any browser that uses the same folder.

Choosing Your Folder

1. Press **Save** (or `Ctrl+S`). The first time, a window asks "Where should your patterns be saved?"
2. Click **Choose folder...** and pick a folder, or make a new one, for example Documents\Bead Patterns.
3. Leave **Also copy the patterns already saved in this browser** ticked to put your existing patterns in the folder too.

From then on, every pattern is saved in that folder. Changes are written automatically a moment after you make them, and right away when you press **Save**.

Keeping patterns on every computer: Choose a folder inside Dropbox, Google Drive, OneDrive or iCloud Drive (with that service's desktop app installed), or a network drive. Your cloud service copies the files to your other computers. Krazy Stitcher Studio never sees or receives them.

Using a second browser: Each browser remembers your folder separately. In the other browser, open **File > Pattern Folder...** and choose the same folder once. Your patterns appear there too.

The File Menu

These commands are in the **File** menu at the top of the screen, in its **Pattern folder** section:

- **Save As...** saves a copy of the pattern under a new name, as a new file. The original stays as it is.
- **Open from Folder...** lists the patterns in your folder. Type to filter, then click one to open it. **Other file...** opens a pattern from anywhere else.
- **Pattern Folder...** shows which folder you are using. From here you can change it, read it again (**Refresh from folder**), copy patterns that are only in this browser into it, or stop using it.

Good to Know

- If the same pattern was changed on two computers before they synced, Krazy Stitcher Studio keeps both. The other computer's version appears as "Pattern name (from other computer)".
- Deleting a pattern (also **Clear All** and **Archive**) moves its file into a "_deleted" folder inside your pattern folder. Krazy Stitcher Studio never erases a pattern file; empty _deleted yourself when you are sure.
- Your browser may ask again for permission to use the folder after a restart. Click **Allow** when Krazy Stitcher Studio asks. In Chrome, choosing "Allow on every visit" stops the question.

- Custom palettes and bead inventory are not saved in the folder. Keep using **Backup All** for those.
- Renaming a pattern keeps its file name. Use **Save As...** for a file with the new name.
- Which browsers: Chrome, Edge and Opera on a computer save straight into the folder. Firefox, Safari, iPhone, iPad and Android cannot; there, **Save** also downloads the pattern as a .ks file, and **Open from Folder...** lets you pick a .ks file.

25. Keyboard Shortcuts

Keyboard shortcuts

Key	Action
`D`	Draw tool
`E`	Erase tool
`F`	Fill tool
`I`	Color picker / eyedropper
`L`	Line tool
`R`	Rectangle (outline)
`Shift+R`	Filled rectangle
`S`	Select tool
`T`	Text tool
`G`	Stitching Guide on or off
`Ctrl+Z`	Undo
`Ctrl+Y`	Redo
`Ctrl+C`	Copy selection
`Ctrl+V`	Paste at selection
`Delete`	Clear selection
`Ctrl+X`	Cut selection
`Ctrl+S`	Save the pattern
`Ctrl+K`	Search help and tools (Cmd+K on a Mac)
Arrow keys	Move the selection (with the Select tool)
`+` or `=`	Zoom in

Key	Action
`-`	Zoom out
`Home`	Zoom to fit
`Space` (hold)	Pan mode (with any tool)
Scroll wheel	Zoom in or out
`N`	Toggle row and column numbers
`M`	Cycle symmetry mode (none → horizontal → vertical → both)
`Shift+S`	Scale pattern
`Shift+L`	Pattern templates
`Shift+T`	Tile the selection (with the Select tool)
`U`	Tubular preview
`Shift+I`	Show or hide shaping indicators
`]` and `[`	Add one to, or take one from, the row/round progress counter
`Ctrl+Shift+B`	Open the Report a Bug or Request a Feature window (from anywhere in the app)
`P`	Protect beads (draw only on empty spots)
`F11`	Toggle fullscreen mode
`Esc`	Exit fullscreen / close the help panel / close an open window, including the symbol window

26. Track Progress Row by Row

The Row Work Tracker helps you keep your place while beading. Click **Tracker** in the toolbar to open the tracking panel.

How to use

1. Click **Tracker** to activate. The panel appears in the bottom-left corner.
2. Click **Next Row** each time you finish a row. The tracker highlights your current row in green on the canvas and dims completed rows.
3. Click **Prev Row** to go back if you made a mistake.
4. Click **Jump to Row** to skip to a specific row number.
5. Click **Reset** to start over from row 1.

Your progress saves automatically with the pattern. When you reopen the pattern later, the tracker picks up where you left off.

> **Tip:** The progress bar shows your completion percentage at a glance. The canvas auto-scrolls to keep the current row visible.

Reader Mode and the Phone View

Reader Mode (Stitch menu) shows one row at a time in big type, with the row's beads in stitching order and big Prev and Next buttons (or the arrow keys). It follows the Work Tracker row, so your place is saved with the pattern. Esc or Close goes back.

On a phone, Studio opens a simple page instead of the full editor. It shows the open pattern's name, a **Pattern** list to choose another saved pattern, **Open a pattern file**, and big buttons for what you do with a phone: **Follow my pattern** (Reader Mode), **Show my design** (a full-screen picture of the pattern, the Progress Picture and 3D Preview) and **What to buy** (Bead Count and the Shopping List, which fit a phone screen).

Drawing and editing are not on this page. **Open the full editor anyway** switches to the editor, and this browser remembers your choice; the **Phone view** button at the top of the editor brings the phone view back. Tablets and computers always open the full editor. A phone here means a touch screen whose shorter side is under 600 pixels.

27. Search and Filter Patterns

When you have many saved patterns, use the search and filter controls above the pattern list in the sidebar.

Search by name

Type any part of a pattern name in the search box. The list filters instantly as you type.

Filter by stitch type

Select a stitch type from the dropdown to show only patterns of that type. Choose "All types" to clear the filter.

Search and filter work together — you can type a name and select a stitch type at the same time.

28. Realistic Bead Preview

Check the **Shading** checkbox in the toolbar to switch from flat square rendering to a realistic bead view. Each bead draws as a rounded ellipse with a highlight, shadow, and thread hole. To turn the pattern around in a rotatable 3D view, click the **3D Preview** button in the toolbar instead.

In the 3D Preview, drag to turn the model and scroll to zoom. On a phone or tablet, drag with one finger to turn it and pinch with two fingers to zoom; the hint under the preview says so.

When to use

Realistic mode gives you a better sense of how the finished piece will look. It works best at medium to high zoom levels. At low zoom (below 4px per bead), the app falls back to flat rendering for performance.

> **Note:** Realistic mode creates a radial gradient for each bead, so it uses more CPU than flat mode on very large patterns. If scrolling feels slow, uncheck **Shading** while editing and turn it back on for previewing.

29. Backup and Restore All Data

Click **Backup All** to export every pattern, custom palette, and bead inventory item as a single `.ksbackup` file. This is your complete workspace snapshot.

Create a backup

1. Click **Backup All** in the toolbar.
2. The app downloads a file named `KrazyStitcher-Backup-YYYY-MM-DD.ksbackup`.
3. Store this file somewhere safe. For an automatic off-device backup, save it into a cloud-synced folder — Google Drive, Dropbox, and OneDrive all work — and that service will copy it off your computer for you. A USB drive or external drive works too, just without the automatic part.

Restore from a backup

1. Click **Restore** in the toolbar.
2. Select your `.ksbackup` file.
3. Confirm the restore. Existing patterns are preserved — if the backup contains a pattern with the same ID, the backup copy overwrites it.

> **Tip:** Create a backup before clearing your browser data or switching computers. The backup includes everything stored in IndexedDB and localStorage.

Move your patterns to a new computer

Your patterns are always kept in this browser on this computer. If you choose a pattern folder (Chrome, Edge, Opera), each one is also kept as a .ks file in that folder, which survives clearing your browser and can be shared with your other browsers and computers. Without a pattern folder, clearing your browser's data or switching browsers or computers loses them, so use **Backup All** regularly.

With a pattern folder in Dropbox, Google Drive or OneDrive: Install that service on the new computer, open Krazy Stitcher Studio, choose **File > Pattern Folder...** and pick the same folder. Your patterns appear. Custom palettes and inventory are not in the folder, so still use **Backup All** and **Restore** for those.

Without a pattern folder: Use Backup All and Restore as before:

1. On the old computer, open Krazy Stitcher Studio and click **Backup All**. A file named KrazyStitcher-Backup-YYYY-MM-DD.ksbackup lands in your downloads folder.

2. Copy that file to the new computer. A USB stick, an email to yourself, or a cloud folder such as OneDrive, Dropbox, or Google Drive all work.

3. On the new computer, open Krazy Stitcher Studio, enter your license key if asked, and click **Restore**.

4. Pick the .ksbackup file and confirm. Every pattern, custom palette, and inventory item comes across.

Just one pattern? If you saved a pattern as a .ksp file (Share, then Download .ksp File, or Archive) or a .ks file, copy that file to the new computer and open it with **Import Pattern**. A password-protected .ksp asks for its password when you open it.

Where are my .ksp files? Only where you saved them. A .ksp exists only once you create one, and it goes wherever your browser saves downloads, usually your Downloads folder. If you chose a pattern folder, each pattern is also kept there as a .ks file (see Save Patterns to a Folder).

App looks out of date, or no place to enter your license key? Your browser is showing an older saved copy of the app. Add ?v=2 to the end of the web address, for example https://krazystitcher.com/KrazyStitcherStudio.html?v=2, and press Enter. If that doesn't fix it, click Backup All first to protect your patterns, then clear this site's data in your browser settings (search krazystitcher under Cookies and site data) and reload.

Your license covers up to 3 computers you own, so the same license key works on the new machine.

30. Automatic Folder Backup

On top of the rolling **Version History** snapshots and manual **Backup All** exports, Chrome, Edge, and other Chromium-based browsers can save a real backup file to a folder on your computer automatically — no clicking Backup All required. Point that folder at a Dropbox, OneDrive, or iCloud Drive folder that syncs to your other devices, and your patterns follow you there too.

> **Note:** Pattern Folder is different from Automatic Folder Backup: Pattern Folder keeps one up-to-date file per pattern, which you open directly; Automatic Folder Backup writes dated snapshot files of your whole library, which you bring back with **Restore**. You can use both, but use different folders for them.

What it does

Once set up, every automatic snapshot Krazy Stitcher already takes (on Save, roughly every 20 minutes while you work, and when you switch patterns) is also written as a `KrazyStitcher-Snapshot-<date-and-time>.ksbackup` file into the folder you chose — the same file format as a manual Backup All export. To avoid flooding the folder, the same pattern won't be re-exported more than once every 5 minutes.

Set it up

1. Click **Version History** in the toolbar.
2. Scroll to the **Folder Auto-Backup** section at the bottom of the panel.
3. Click **Set Up Folder Auto-Backup**.
4. Choose a folder in the picker your browser shows, and grant it read/write access. Any folder works, but a folder that a cloud sync app (Dropbox, OneDrive, iCloud Drive, Google Drive desktop) is already watching is what lets the backup leave this computer on its own.

Once it's on, the panel shows **On** along with **Turn Off** and **Pull Latest Snapshot** buttons. Chrome and Edge don't always remember folder permission forever — if it lapses, the panel shows **Re-authorize Folder** instead; click it and pick the same folder again to resume.

Bring patterns to a second device

Folder Auto-Backup also works the other direction, letting you carry patterns between two computers that both sync the same cloud folder:

1. On your first computer, set up Folder Auto-Backup pointed at your synced Dropbox (or OneDrive/iCloud Drive) folder, and keep working — snapshots accumulate there automatically.
2. On your second computer, make sure that same folder has finished syncing locally, then set up Folder Auto-Backup there too, pointed at it.
3. Click **Pull Latest Snapshot**. Krazy Stitcher scans the folder for the most recently saved snapshot and restores it — the same confirmation and merge behavior as restoring a manual backup (see Backup and Restore All Data): your existing patterns are kept, and anything with a matching ID is overwritten by the snapshot copy.

> **Note:** Pull Latest Snapshot is a one-time, on-demand pull, not live sync — it doesn't run automatically and it doesn't merge changes made on both computers to the same pattern. Click it whenever you sit down at a device and want the latest version; if you edited the same pattern on both computers since the last pull, decide which version you want to keep first, since the older one will be replaced.

> **Tip:** Folder Auto-Backup needs Chrome, Edge, or another Chromium-based browser — Safari and Firefox can't save straight to a folder. Version History and manual Backup All still work everywhere.

31. Split and Recompose Large Patterns

Split a large pattern into a grid of smaller tiles you can stitch one at a time — each tile is a full, independent pattern with its own toolset — then use Recompose to merge your finished tiles back into the original full-size pattern.

Split a pattern

1. Open the pattern you want to split.
2. Click **Split/Recompose** in the toolbar.
3. Enter how many rows and columns to split into. The preview shows the tile boundaries and roughly how many beads each tile will be — for example, a 300×300 pattern split 3 rows × 3 columns makes nine 100×100 tiles.
4. Click **Split Pattern**. Krazy Stitcher creates one new pattern per tile, named after the original with its position added — `My Pattern – R1C1`, `R1C2`, and so on — and switches you to the first one.

If the split doesn't divide evenly, the extra rows or columns are added to the last tile in that row or column, so every other tile stays a clean, consistent size.

Work on the tiles

Each tile behaves like any other pattern — switch between them from the pattern list, and use the full set of drawing tools, color palettes, and everything else in Krazy Stitcher on each one independently. This is the point of splitting: a tile small enough to stitch from your phone on the bus, or to hand off to someone else to bead, instead of wrestling with the whole oversized pattern at once.

Recompose the finished tiles

1. Open any one of the tiles.
2. Click **Split/Recompose** in the toolbar again. Because this pattern is a tile, the panel now shows how many of the tiles from this split are still in your pattern list.
3. If any are missing — deleted or otherwise not found — the panel lists which ones (for example, `R2C3`) and Recompose is disabled until you restore them.
4. Once all tiles are present, click **Recompose**. Krazy Stitcher merges every tile's grid back into one full-size pattern in the correct position — updating the original pattern if it's still in your list, or creating a new one if it isn't.

> **Tip:** Renaming a tile's display name is fine — Krazy Stitcher tracks which tiles belong together internally, not by name. Just don't delete one before you recompose.

> **Note:** Split isn't available for Crochet Rope patterns (its stitch offset wraps around the full pattern width, not a fixed section) or for shaped patterns like triangles, diamonds, or hexagons.

32. Generate a Print Layout

Click **Print Layout** to generate a print-optimized HTML document you can open in any browser and send to your printer.

What the print layout includes

1. **Cover page** — pattern name, dimensions, stitch type, color legend with symbols, bead count summary table, and pattern notes.
2. **Symbol grid pages** — the pattern grid with each bead shown as its assigned symbol on a colored background. Large patterns split across multiple pages (50 columns × 60 rows per page). Each page shows column and row numbers and a page footer for reassembly. The symbols are the same ones you see on the chart and in the Bead Count window, including any you chose yourself, and they look the same on any computer.

The program saves the layout as a file named like `PatternName - Print Layout.html` in the place your browser keeps downloads. If you set **Page Overlap** or **Legend Placement** in the **Print...** window, the Print Layout uses those choices.

How to print

1. Open the downloaded HTML file in your browser.
2. Press `Ctrl`+`P` (or `Cmd`+`P` on Mac).
3. Set paper size to Letter or A4. The layout adapts to both.
4. Print in color for the best readability. The symbols also work in grayscale.

> **Note:** Very large patterns (200+ columns) may produce many pages. Consider using Split and Recompose to print each tile separately, or reducing the column count before printing.

Fullscreen Mode

Click the ⛶ **Fullscreen** button in the top toolbar to hide all browser chrome — tabs, address bar, and bookmarks bar — and give your pattern the entire screen. This is especially useful on smaller screens or laptops. Press `Esc` or click the button again to exit fullscreen. You can also press `F11` in most browsers.

Tip: If you find the browser's bookmarks bar takes up too much space but don't want full fullscreen, press `Ctrl+Shift+B` (or `Cmd+Shift+B` on Mac) to toggle just the bookmarks bar on or off.

Touch & Pen Support

Krazy Stitcher works with touchscreens and digitizer pens (stylus devices). All drawing tools — Draw, Erase, Fill, Color Pick, Line, Rectangle, and Select — respond to touch and pen input alongside traditional mouse input.

No setup is required. Simply touch the canvas or use your stylus to draw, erase, or interact with the tools. Pan and zoom gestures work as expected on touch-enabled devices.

Scroll-Zoom Lock

If you find the scroll wheel accidentally zooming your canvas, click the lock icon (🔒) in the left toolbar, below the zoom-in and zoom-out buttons. When locked, scroll-wheel zoom is disabled and the icon changes to 🔓. Click it again to re-enable zoom.

View Lock

View Lock (📌) locks both panning *and* zooming at once, preventing any accidental repositioning of your pattern on the canvas. Click the pushpin icon in the left toolbar to engage it — when View Lock is on, scroll-zoom is also automatically locked along with panning. Click the pushpin icon again to unlock.

> **Tip:** Use View Lock when you're doing detailed bead-by-bead work and don't want the canvas to shift under your cursor.

B&W Chart

Click the **B&W Chart ▾** dropdown in the toolbar to access black-and-white symbol chart options. Each bead color is mapped to a unique symbol, making the chart suitable for printing and working away from a screen. Three options are available:

B&W symbol chart options

Option	What It Does
Show as Overlay	Replaces the color canvas with a B&W symbol view. A **B&W ON / Return** toggle appears in the toolbar next to the pattern title — click it to switch back to the color view.
Open as Separate Page	Opens the B&W chart in a new browser tab with a Return button to navigate back.
Save as File	Downloads the B&W chart as a standalone HTML file (named like `PatternName - BW Symbol Chart.html`) you can open, print, or share.

The B&W chart uses the same symbols as the chart on the screen, including any you chose yourself (see Choose Your Own Symbols). The chart that opens in a new tab and the saved file both draw the symbols the same way on any computer. Each one begins with a Symbol Legend and a Bead Count Summary table, followed by the pattern pages. If your browser blocks the new tab, a message asks you to allow pop-ups for this page or to use **Save as File** instead.

33. Improve Your Workflow

Photo-to-Pattern Workflow

1. **Import** with K-Means quantization and Floyd-Steinberg dithering for best results. Try the **Sample Photo** first to experiment with dithering styles.
2. Adjust **brightness, contrast, and saturation** before importing — use the **Side/Stack** toggle and preview until it looks right.
3. Run **Cleanup** immediately after import to remove confetti beads.
4. Open **Counts** to find low-count colors (highlighted in orange).
5. Use **Merge** to fold near-duplicate colors together.
6. Hand-edit details with the Draw and Erase tools, using the trace overlay as a guide.
7. Export as PDF for printing or Word Chart for row-by-row instructions with color blocks.

Design Tips

- Use **Duplicate** before making major changes so you can always go back.
- For symmetric patterns, press `M` to turn on Symmetric Drawing and draw in real time. Or build one half manually, then use **Mirror** to create the other side.
- Check the **Symbols** box (in the row of buttons across the top, next to **Grid**) to verify color placement on complex patterns — each color shows its own symbol on the chart. To change a color's symbol, see Choose Your Own Symbols.
- Use the **Color Pick** tool (`I`) to quickly grab colors from existing parts of your pattern.
- Check the **Size Calculator** early — a pattern that looks small on screen might be surprisingly large (or small) in real beads.

Performance

Krazy Stitcher handles patterns up to 1000×1000 beads, but very large patterns may render slower. For best performance on complex patterns, keep the grid under 500×500 beads. Turn off the grid overlay at high zoom levels if rendering feels sluggish.

34. Solve Common Problems

Common problems and solutions

Problem	Solution
Pattern not saving	Click **Save** manually. Check the status bar's storage indicator. If your browser's IndexedDB is full (very rare), export patterns as files and clear old ones.
Photo import looks washed out	Increase contrast and saturation in the photo import dialog. Try K-Means quantization for better color accuracy.

Problem	Solution
Too many colors after import	Lower the **Max Colors** setting, or import with a higher number and use **Merge** afterward for more control.
Fewer colors than I requested	The **Max Colors** setting is an upper limit, not an exact target. Two things reduce the final count: (1) if your image doesn't have enough color variation, the quantizer may produce fewer groups; (2) when quantized colors are mapped to the nearest bead in your palette, multiple quantized colors can land on the same bead. Check the status line below the preview to see the actual count before importing. If you need more colors, try increasing Max Colors beyond what you want, or switch to K-Means quantization for better color separation.
White dots scattered across pattern after import	This is caused by the Floyd-Steinberg dithering algorithm distributing quantization error to neighboring pixels. Three fixes: (1) Click **Cleanup** to automatically remove isolated single-color beads. (2) Use **Recolor** to replace all white beads with a specific color. (3) Try importing again with dithering set to **None** for cleaner color blocks (at the cost of less smooth gradients).
Grid lines obscure the pattern	Uncheck the **Show Grid** checkbox in the toolbar to hide grid lines entirely. Zoom in to see individual bead colors more clearly — grid lines become less dominant at higher zoom levels. You can toggle the grid on and off as needed while working.
Hard to compare pattern to original photo	Click **Trace** in the toolbar and choose the original photo to load it as a **trace overlay**; it is not loaded for you when you import. When a trace is loaded, a **Trace** slider appears in the toolbar. Use it to blend the original over your pattern. Set it to 0% to hide the photo, or higher to see the original more clearly. You can also keep a copy of the original open in another window for side-by-side reference.
Can't load photos from iCloud or network drive	Use any of these methods: (1) **Drag and drop** the image from a Finder window directly onto the canvas — Finder can browse iCloud Drive, network shares, and external drives. (2) Click **Import Photo**, then click the drop zone to open the file picker, which shows all mounted drives in the sidebar. (3) Copy the image in Finder or Photos and press **Cmd+V** to paste it directly.
Canvas feels sluggish	Zoom out or turn off the grid display. Very large patterns (800+ beads wide) require more rendering time.
Undo doesn't restore correctly after rotate	The current version fixes this. If you see issues, refresh the page to load the latest code.
Can't find my saved patterns	Without a pattern folder, Krazy Stitcher stores patterns per browser and per domain, so a different browser or location shows none of them. If you use a pattern folder, open **File > Pattern Folder...** in this browser and choose the same folder. Otherwise use **Backup All** and **Restore**.
Share button says “Share via...” is missing	The native share option requires a browser that supports the Web Share API (Chrome, Edge, Safari on mobile). Use **Download .ksp File** instead.
.ksp file won’t import	Make sure the file has a `.ksp` or `.zip` extension and contains a `.ks` file inside. If the file was renamed or corrupted during transfer, try downloading it again.

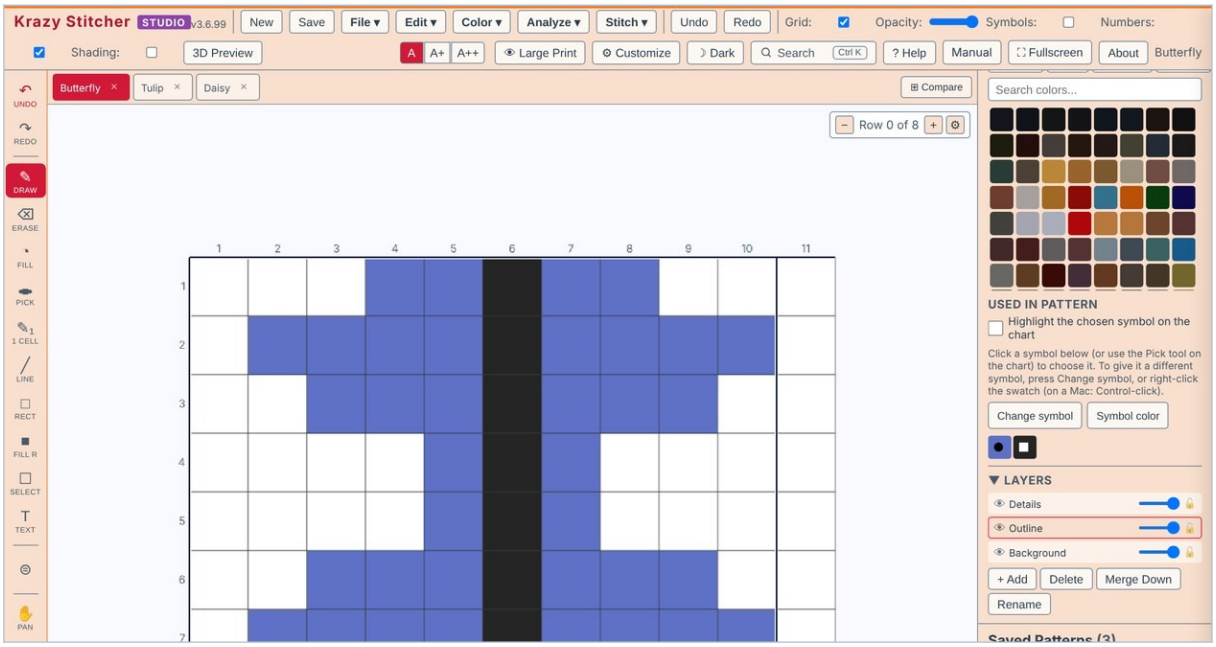
Problem	Solution
I clicked Export PDF and nothing opened	Export PDF saves the PDF as a file; it does not open it for you. Look in the place your browser keeps downloads for a file named after your pattern, and open it from there. Some browsers show a small message when a download finishes, and some ask you before saving.

Studio Features

The chapters in this part cover the tools only Krazy Stitcher Studio has (marked Studio only) and the tools Studio does more with than Pro (marked Enhanced in Studio). The table What Studio Adds over Pro, at the front of this guide, lists them on one page.

35. Use the Multi-Pattern Workspace STUDIO ONLY

Studio keeps a tab for each pattern you open, in a strip just above the chart, so you can move between designs with one click instead of going through the pattern list each time. **Compare** shows several patterns side by side.



Three patterns open as tabs above the chart, with the Layers panel on the right

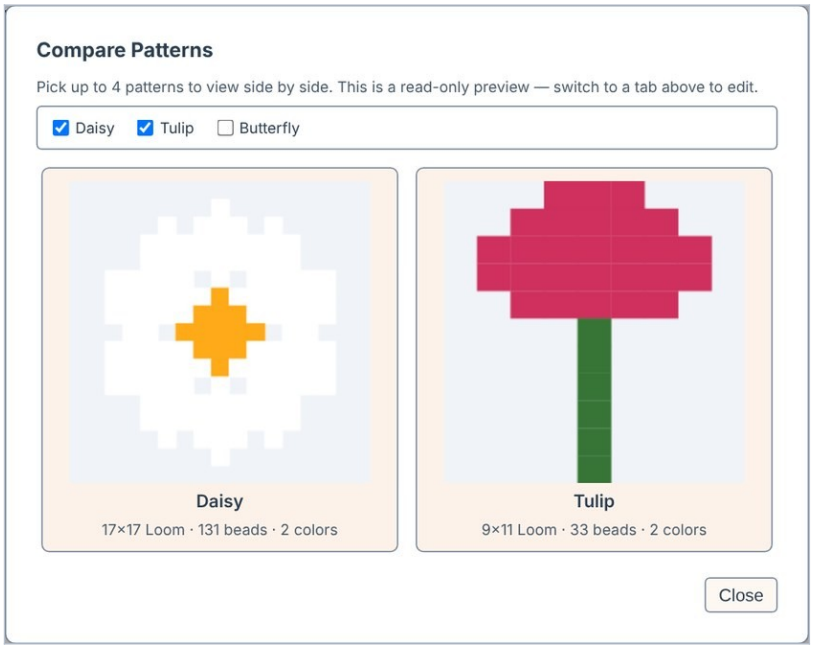
Open and switch patterns

- **Open a pattern** the usual way (click it in Saved Patterns, make a New pattern, import one, or open one from your folder). It gets a tab, and its tab is highlighted while it is the pattern on the chart.
- **Click a tab** (or move to it with Tab and press Enter) to switch to that pattern. This works like choosing it in Saved Patterns: the pattern is zoomed to fit and Undo starts afresh, so finish anything you may want to undo before you switch.
- **Close a tab** with its × button. This only takes the pattern out of the tab strip; it stays in Saved Patterns. If you close the tab of the pattern on the chart, the next tab opens.

Up to 10 tabs. Opening an eleventh pattern closes the tab that has been open longest (the pattern itself is not touched). This browser remembers your open tabs, so they are back the next time you open Studio.

Compare patterns side by side

1. Click ⊞ **Compare** at the right end of the tab strip. The Compare Patterns window lists all your saved patterns; the ones open in tabs are already ticked.
2. Tick the patterns you want to see, up to 4. A fifth tick is undone with the message “Comparing up to 4 patterns at a time”.
3. Each pattern shows a picture, its name, and its size, stitch type, number of beads and number of colors, for example “17×17 Loom · 131 beads · 2 colors”.
4. Click **Close** when you are done.



Compare Patterns with two of three patterns ticked

Compare is a preview only: you cannot draw in it. Close it and click a tab to edit a pattern. It is handy for choosing between colorway copies, checking a set of patterns for a collection, or comparing a design before and after Reduce Colors.

36. Use Layers STUDIO ONLY

Layers let you keep parts of a design apart: a background on one layer, an outline on another, a name or a motif on a third. Drawing, erasing and filling change only the layer you have chosen (the active layer), so you can rework one part without disturbing the rest. Every pattern starts with one layer, named Background.

The Layers panel

The Layers panel is on the right side of the screen, below the colors used in the pattern. Click its heading (▼ Layers) to fold it away or open it again. The top layer in the list is the top layer of the design: where two layers both have a bead in the same place, the upper one is the one you see, print and count.



The Layers panel with three layers; Outline is the active layer

- **Click a layer's name** to make it the active layer. It is outlined in the list.
- **Eye** — shows or hides the layer. A hidden layer's beads are left out of the chart, the counts, prints and exports, but they are kept, and come back when you show the layer again.
- **Slider** — the layer's opacity, 0 to 100%. Bead patterns are made of whole beads, so the slider does not blend colors: above 0% the layer's beads show in full, and at 0% they are left out, the same as hiding the layer.
- **Lock** — a locked layer cannot be drawn on. Trying says "Layer is locked". Click the lock again to unlock it.

Layer buttons

Button	What it does
+ Add	Adds a new, empty layer at the top, named Layer 2, Layer 3 and so on, and makes it the active layer.
Delete	Deletes the active layer and its beads, after asking. A pattern always keeps at least one layer ("Cannot delete the only layer").
Merge Down	Puts the active layer's beads onto the layer below it and removes the active layer. Where both have a bead, the active layer's bead wins. On the bottom layer it says "No layer below to merge into".
Rename	Asks for a new name for the active layer. Use names such as "Background" or "Border detail".

Undo and editing. Undo and Redo take back drawing on any layer. Mirror, Flip, Rotate, Turn piece, Scale, inserting and removing rows and columns change every layer together, so the layers stay lined up.

Printing and exporting. Every export, print and count uses what you see: all visible layers combined. You do not need to merge layers first. To keep a version without one part, hide that layer before you export.

> **Tip:** Put the background color on the bottom layer, outlines on a middle layer and fine details on top. You can then change the background with Fill without redrawing the design.

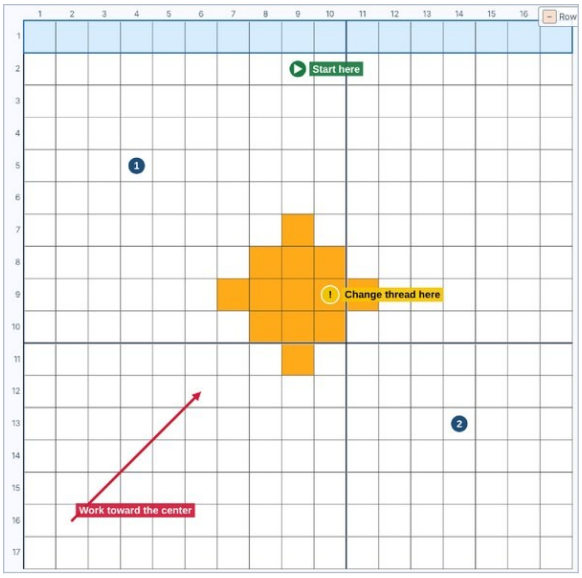
37. Put Callouts on the Chart STUDIO ONLY

Callouts are marks you put on the chart for the beader: a **Note** with a few words, an **Arrow** from one bead to another, a **Start here** mark, and numbered **Steps**. They show on screen and print on the PDF chart pages, in the Pattern Package and in Print Layout. They never change a bead or a count.

Add a callout

1. Click **Analyze** > **Callouts**. The Callouts window opens.
2. For a note or an arrow label, type the words in **Text (for a note or an arrow)** (up to 80 characters), for example “Change thread here”. A note needs text; an arrow can do without.
3. Click **+ Note**, **+ Start here**, **+ Step number** or **+ Arrow**. The window closes and a message tells you what to click.
4. Click the bead the callout belongs to. For an arrow, click the bead where the arrow starts, then the bead it points to. Press `Esc` to stop without placing anything (“Callout not placed.”).

Step numbers count up by themselves: the first is 1, the next 2, and so on. A pattern can have up to 200 callouts; the 201st says “A pattern can have up to 200 callouts.”

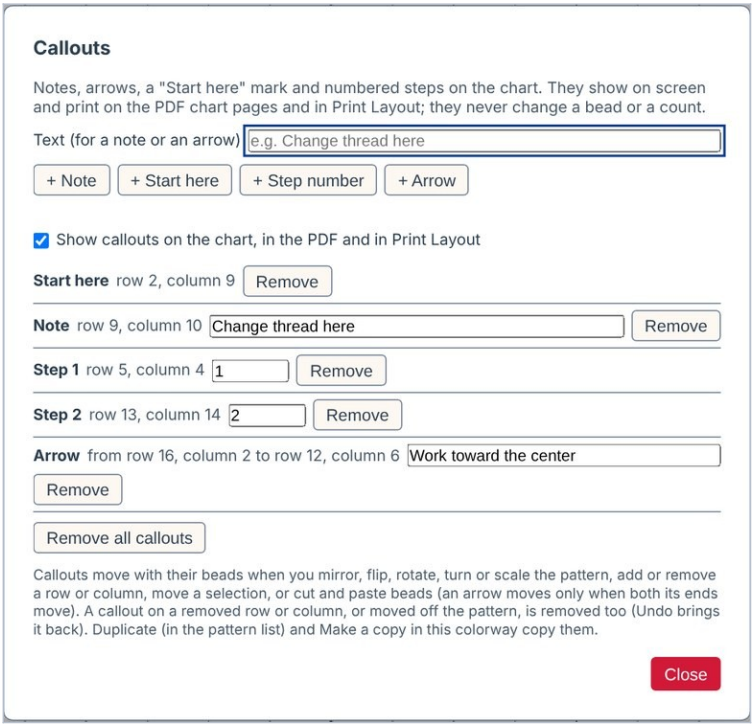


A Start here mark, two step numbers, a note and an arrow on the chart

Change or remove callouts

Open **Analyze** > **Callouts** again. The window lists every callout with its row and column. Type in a note’s or arrow’s box to change its words, or change a step’s number. **Remove** takes one away; **Remove all**

callouts asks first and takes them all away. Untick **Show callouts on the chart, in the PDF and in Print Layout** to hide them everywhere without deleting them.



The Callouts window

Callouts follow the beads

Callouts stay on their beads when you Mirror, Flip, Rotate, Turn piece, Scale or Split the pattern, insert or remove a row or column, move a selection with the arrow keys, or Cut and Paste beads (see Select, Copy, and Paste in chapter 15). An arrow moves only when both its ends move. A callout on a row or column you remove, or on a bead moved off the pattern, is removed too, with a message, and Undo brings it back. Duplicate and a colorway's Make a copy in this colorway copy the callouts to the new pattern.

> **Note:** Callouts are saved with the pattern. Pro and Essentials keep them when they open a Studio pattern, but do not show or print them.

38. Scale Your Pattern ENHANCED IN STUDIO

Scale makes the whole pattern bigger or smaller. Click **Edit** > **Scale** (or press `Shift+S`). The Resize / Scale Pattern window shows the current size and these fields:

Resize / Scale Pattern fields

Field	What it does
New Width, New Height	The new size in beads, 1 to 1000 each way. They start at the current size.
Lock aspect ratio	When ticked, changing one size changes the other to keep the pattern's proportions.
Sampling	Nearest Neighbor: each bead in the new pattern copies the nearest bead of the old one, so edges stay sharp and no new colors are made.

Click **Apply**. The message says the new size, for example "Resized to 34 x 22". Every layer is scaled the same way, and callouts move to the bead that copies their old bead. **Undo** puts the pattern back the way it was.

How this differs from Pro. Pro has a Resize window (Edit > Resize) with the same nearest-neighbor sampling. Studio's Scale also scales each layer separately and keeps callouts on their beads, and has the Shift+S shortcut.

> **Tip:** Scale up by whole numbers (2×, 3×) for the cleanest result. Sizes such as 1.5× repeat some rows and columns and not others, which can make thin lines uneven.

39. Stamp Letters, Numbers and Shapes STUDIO ONLY

The Template Library stamps simple block letters, numbers and shapes onto the chart in the color you are drawing with: good for initials, dates and small motifs.

1. Pick the color in the palette.
2. To choose where the stamp goes, use the Select tool and click (or drag from) the bead where its top-left corner should be. With no selection, the stamp goes in the middle of the pattern.
3. Click **Edit** > **Templates** (or press `Shift+L`).
4. Choose the **A-Z**, **0-9** or **Shapes** tab and click a template. It is stamped at once and the window closes ("Template stamped").

What is in the Template Library

Tab	Templates
A-Z	Capital letters A to Z, each 5 beads wide and 7 tall.
0-9	Numbers 0 to 9, each 5 beads wide and 7 tall.
Shapes	Heart, Star and Flower (7 × 7 beads), Diamond and Arrow (5 × 5 beads).

A stamp only adds beads of the drawing color; the beads around it are left alone. Anything that would fall outside the pattern is cut off. The stamped beads are ordinary beads you can recolor or erase, and one Undo takes the whole stamp back. With layers, the stamp goes on the active layer.

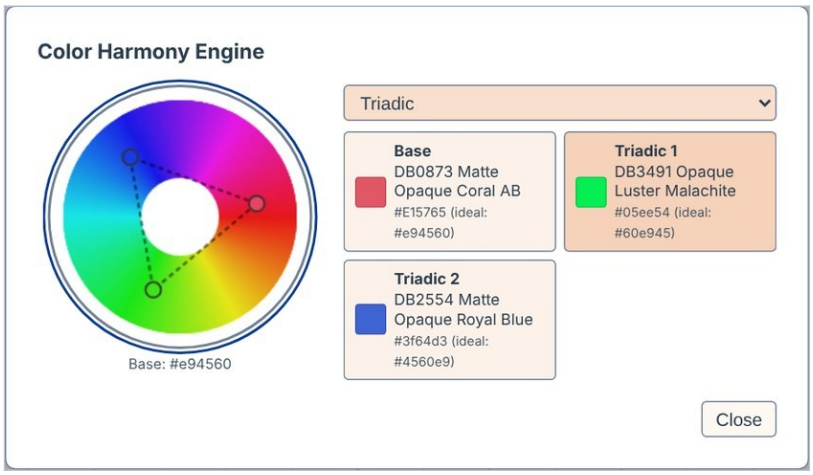
> **Tip:** Leave one empty bead between letters. To make bigger letters, stamp them in a small pattern, Scale it 2× or 3× (chapter 38), then copy and paste them into your design.

> **Note:** The 66-design Starter Pattern Library (Starter Patterns… in the New Pattern window) is a different thing, and Pro has it too.

40. Find Color Harmonies STUDIO ONLY

The Color Harmony Engine suggests colors that go with the one you are drawing with, using the color wheel, and finds the nearest real bead for each in the palette brand you have chosen.

1. Pick the base color in the palette (or with the Pick tool). The harmony is built on the color you are drawing with.
2. Click **Color** > **Harmony**. The window shows a color wheel with the colors marked and joined, and the base color's code under it.
3. Choose a harmony type in the list. The suggestions change at once.
4. Click a suggestion (or move to it and press Enter) to make that bead your drawing color. The message says "Selected" and the bead's name.



Triadic harmony: the base color and two suggestions, each a real Delica bead

Harmony types

Type	What you get
Complementary	One color opposite the base on the wheel. Strong contrast.
Analogous	Two neighbors, 30° either side of the base. Calm, blended palettes.
Triadic	Two colors a third of the way round the wheel (120° and 240°). Bright and balanced.
Split-Complementary	The two colors either side of the opposite (150° and 210°). Contrast with less clash.

Type	What you get
Tetradic	Three colors at 90°, 180° and 270°: four colors in all, for rich designs.
Monochromatic	Three shades of the base color: one darker and two lighter (Shade 1 to 3).

Each swatch shows the bead code and name, the bead's color code and, in brackets, the ideal color the wheel asked for. The bead is the closest one in the brand chosen in the palette list; with a custom palette, Generic 64 is used. Change the brand in the palette list to see the same harmony in another brand.

> **Tip:** Analogous suits soft, flowing bracelets; Triadic suits bold geometric pieces. Use Monochromatic to find the shading beads for a single-color motif.

41. Batch Photo Import STUDIO ONLY

Batch Photo Import turns several photos into separate patterns in one pass, instead of importing them one at a time: handy for a whole set of designs or shop listings.

> **Tip:** Batch Photo Import uses whatever settings are in the Import Photo window: stitch type, palette, Max Colors, dithering, brightness, contrast, saturation and Merge stray beads. Open Import Photo first (chapter 12), load one sample photo, get the settings right, then come back here.

1. Click **File** > **Import** > **Batch Photo Import**.
2. Click **Select photos** and choose the photos. You can choose many at once; JPEG, PNG, other picture files and TIFF (.tif, .tiff) work. The window lists them and says, for example, "5 photos selected."
3. Click **Start Batch Import**.

Studio converts the photos one at a time and shows which one it is on ("Converting 2 of 5: necklace.jpg..."). Each photo becomes its own saved pattern, named after its file. At the end a summary says how many patterns were made, for example "Created 5 of 5 patterns.", lists any files it skipped, and (when Merge stray beads is ticked) how many beads that changed in all. Studio then opens the last pattern it made.

Batch Photo Import behavior

Situation	What Happens
Two files share a name	The second pattern gets a number added, for example "necklace" and "necklace (2)".
A file fails to convert	That file is skipped and listed in the summary. The rest of the batch keeps going.
You batch-import a photo you already imported before	A new pattern is created with the same name as before — this matches how single-photo Import Photo already works.

A TIFF with several pages uses its first page, and the summary says so. To go the other way, from many patterns to many PDF and PNG files, see Batch Export in chapter 45.

42. Import CSV, Text and .bead Grids STUDIO ONLY

Import External opens a pattern written as a grid of color codes, for example one made in a spreadsheet or saved by another program, and makes it a new Studio pattern.

Supported files

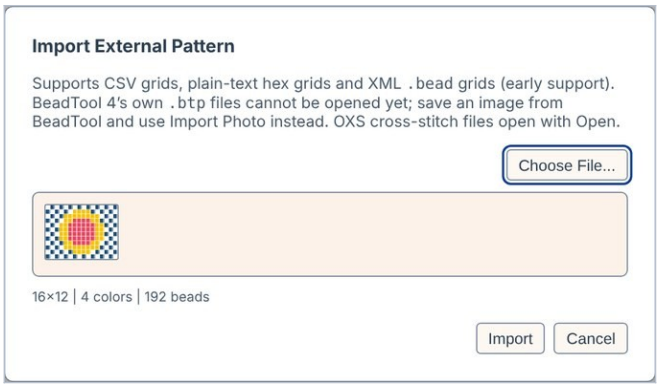
Files Import External reads

File	Name ends in	What it must hold
CSV grid	.csv	One row of beads per line, cells separated by commas, semicolons or tabs. Each cell is a color code such as #E94560 (the # is optional). An empty cell, or anything that is not a color code, is an empty bead.
Text grid	.txt, .tsv	The same, with cells separated by spaces, tabs, commas or semicolons.
XML .bead grid	.bead	An XML file with width and height and a color for each bead (early support). BeadTool 4's own .btp files cannot be opened yet: save a picture from BeadTool and use Import Photo.

Studio decides how to read the file from the end of its name, so name a spreadsheet export .csv. The longest row sets the width; shorter rows are filled with empty beads.

Import a grid

1. Click **File** > **Import** > **Import External**.
2. Click **Choose File...** and pick the file.
3. Check the preview: a small picture and a line such as "16×12 | 4 colors | 192 beads". If the file cannot be read, the window says why (for example "Parse error: Empty CSV file") and Import stays off.
4. Click **Import**. The new pattern opens with the file's name, and the message says its size, for example Imported "Sun Medallion" (16x12).



Import External with a CSV grid ready to import

Colors. The new pattern is a Loom pattern that keeps the file's exact colors. Each color is labeled with the nearest bead in the brand chosen in the palette list (Generic 64 with a custom palette), so the color key has bead codes. To change the colors themselves to that brand's real bead colors, use **Color** > **Quick Remap** afterwards (or Color > Brand Swap, for a rating on every color). Edit > Change stitch turns it into a square stitch pattern if you need one.

Limits. Up to 2,000 beads in either direction and 4,000,000 beads in all, a file of up to 40 MB, and up to 20,000 colors. Larger files are refused with a message that gives the limit.

> **Tip:** In a spreadsheet, type a color code in each cell (#000000 for black, #FFFFFF for white and so on) and save as CSV. Cell fill colors are not saved in a CSV file, so a grid of colored but empty cells imports as empty.

> **Note:** Cross-stitch charts in the Open Cross Stitch format (.oxs) and Krazy Stitcher files open with File > Import Pattern, in every edition (chapter 23).

43. Make a Pattern Package or Booklet STUDIO ONLY

The Pattern Package is one PDF with everything a beader needs, ready to sell or give away. The Booklet is the same package printed two pages to a sheet, to fold and staple. Both are made from the **Pattern Package** box at the bottom of the **Print...** window (**File** > **Print** > **Print...**).

What is in it

Tick the parts you want; all five are ticked at first:

- **Cover with the page map and contents** — the pattern's size, finished size, colors and bead count, with a page map and a list of contents (or one of the other covers below).
- **Color key with bead counts**.
- **Materials list (beads and grams per color)** — add about 10% for spares.
- **Color chart with symbols**.
- **Black-and-white symbol chart**.

The package uses the cell size, paper, overlap, branding and Smart Print choices higher up in the Print… window (chapter 22), and holds every page of the pattern, or of the area you chose with Smart Print. Your callouts print on its chart pages, and the Licensed to line, password and copy setting in the same window (Protect a PDF you sell) apply to it too. Finished size and grams use the bead the pattern is matched to in Bead Shape; a pattern not matched to a bead says so and uses 11/0 Miyuki Delica.

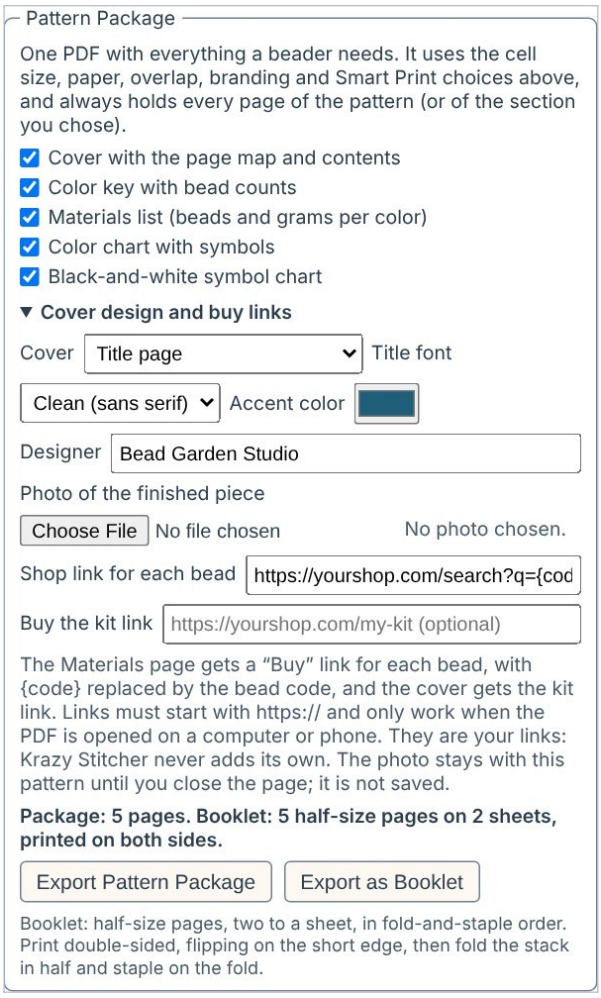
Under the buttons a line says how big it will be, for example “Package: 5 pages. Booklet: 5 half-size pages on 2 sheets, printed on both sides.”

Design the cover and add buy links

Click **Cover design and buy links** to open the designer:

Cover design and buy links

Setting	What it does
Cover	Page map and contents (the standard cover), Photo of the finished piece (your photo large, with the title in a band of the accent color), Big picture of the pattern (the same, with the pattern picture), or Title page (centered title, designer, facts and a small picture).
Title font	Clean (sans serif) or Classic (serif).
Accent color	The color of the title, or of the title band.
Designer	Your name or shop name, up to 60 characters, printed on the cover.
Photo of the finished piece	A JPEG, PNG or WebP picture under 40 MB, scaled to at most 1600 pixels. It is kept only while the page is open and is never saved; Remove photo takes it off. Without a photo, the photo cover uses the big pattern picture.
Shop link for each bead	Your own shop’s link, with {code} where the bead code goes, for example https://yourshop.com/search?q={code}. The Materials page then gets a Buy link for each bead.
Buy the kit link	A link to your kit for this pattern, printed on the cover (and used by the Listing Page). It is kept with this pattern.



The Pattern Package box with Cover design and buy links open

Links must start with https://; otherwise the package is not made and a message says so ("The shop link must start with https:// (for example https://myshop.com/search?q={code})." or "The kit link must start with https://"). The links work when the PDF is opened on a computer or phone. They are your own links: Krazy Stitcher never adds its own. This browser remembers your cover choices and shop link for every pattern.

Make the PDF

Export Pattern Package saves "Pattern name - Pattern Package.pdf". **Export as Booklet** saves "Pattern name - Booklet.pdf": half-size pages, two to a sheet, in fold-and-staple order (half Letter on Letter, A5 on A4). Print it double-sided, flipping on the short edge, fold the stack in half and staple on the fold.

Big packages ask first. A package or booklet over 30 sheets of paper asks before it is made, and suggests leaving out one of the charts, Fit to pages, printing a section or a smaller cell size.

44. Make a Listing Page (HTML) STUDIO ONLY

A Listing Page is one web page that shows a pattern for sale: upload it to your own website or blog, or attach it to a shop listing. It shows enough to sell the pattern, but not the pattern itself.

What the page shows

- The title and your designer name, in your title font and accent color.
- A small watermarked picture of the pattern, and the photo of the finished piece if you added one in the cover designer (chapter 43).
- The stitch, the size in beads and the finished size, the number of colors and beads, and a colors table (swatch, bead code, name, bead count).
- The difficulty score and a time estimate, your description, and your Buy the kit link.

It does not contain the chart, the symbols or the pattern file. The picture is at most 800 pixels on its long side and 5 pixels a bead, shaded and softened, with the watermark across it. This makes copying the pattern from the picture hard, not impossible: a determined person may still count a small pattern bead by bead. The page needs no internet connection and nothing from the Krazy Stitcher website, and runs no scripts.

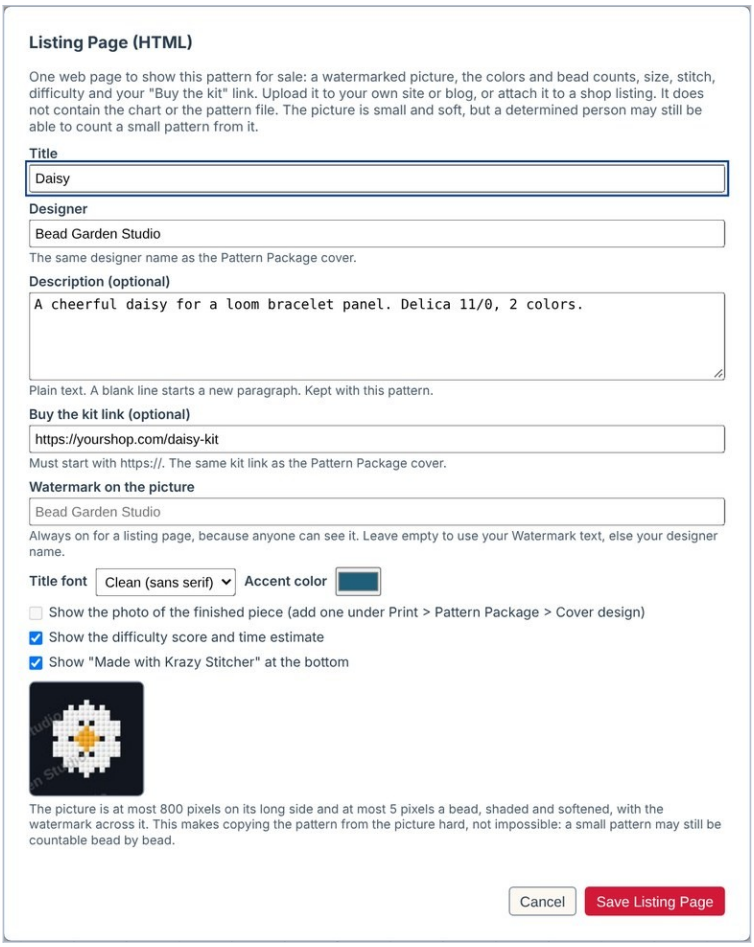
Make a listing page

1. Open the pattern and click **File** > **Export** > **Listing Page (HTML)**.
2. Fill in the window (see the table). The picture at the bottom shows the watermarked picture the page will use.
3. Click **Save Listing Page**. It is saved as “Title - Listing Page.html”, and the message says “Listing page saved. Upload it to your own site, or attach it to a shop listing.”

Listing Page settings

Setting	What it does
Title	Starts as the pattern name; up to 100 characters.
Designer	The same designer name as the Pattern Package cover.
Description (optional)	Plain text, up to 2,000 characters; a blank line starts a new paragraph. Kept with this pattern.
Buy the kit link (optional)	Must start with https://. The same kit link as the Pattern Package cover.
Watermark on the picture	Always on, because anyone can see the page. Leave it empty to use your Watermark text (File > Watermark), else your designer name.
Title font, Accent color	The same as the Pattern Package cover.
Show the photo of the finished piece	Available once you have added a photo under Print... > Pattern Package > Cover design.

Setting	What it does
Show the difficulty score and time estimate	Ticked at first.
Show “Made with Krazy Stitcher” at the bottom	Ticked at first; untick it to leave the line out.



The Listing Page (HTML) window

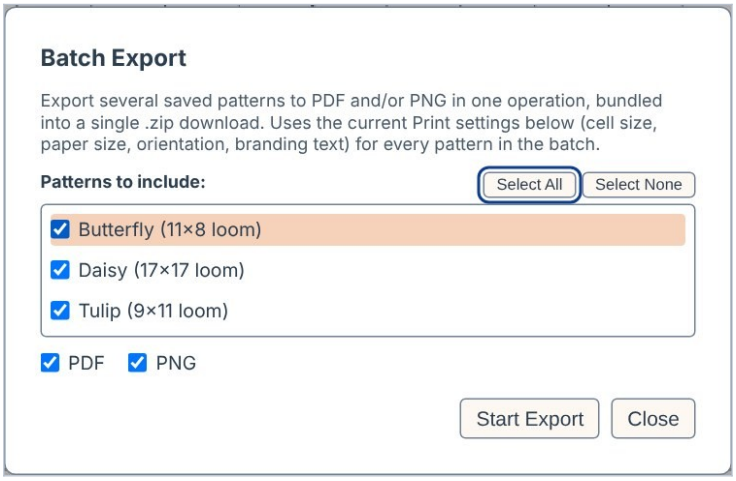
An empty pattern says “The pattern is empty: add some beads first.”, and a kit link that does not start with https:// is refused with a message. The designer, font, accent color and kit link you use here also change the Pattern Package cover, and the other way round.

45. Batch Export STUDIO ONLY

Batch Export saves many saved patterns as PDF and PNG files in one go, packed into one .zip file: useful when you prepare a whole catalog or collection.

1. Set up the Print… window the way you want every PDF (cell size, paper size, orientation and your branding text). Batch Export uses those settings for every pattern.

2. Click **File** > **Print** > **Batch Export**. Every saved pattern is listed with its size and stitch and is ticked; use **Select All** or **Select None** and tick the ones you want.
3. Leave **PDF**, **PNG** or both ticked.
4. Click **Start Export**. A line shows which pattern it is on (“Exporting 3 of 12: Daisy…”).



Batch Export with three patterns ticked

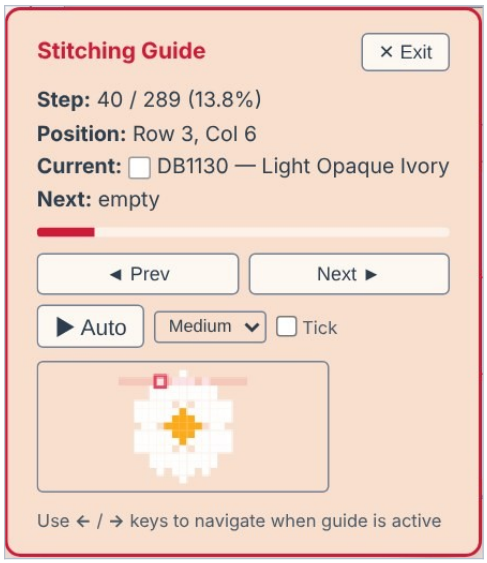
The .zip is saved as “KrazyStitcher-Batch-Export-” plus the date (for example KrazyStitcher-Batch-Export-2026-10-27.zip), and the summary says how many patterns were exported. Inside, each pattern has “Pattern name.pdf” and “Pattern name.png”. Names keep only letters, numbers, spaces, hyphens and underscores, and a repeated name gets a number, for example “Daisy (1)”. A pattern that fails is skipped and named in the summary; the rest carry on. With nothing ticked it says “Select at least one pattern” or “Select at least one export format”.

Big patterns ask first. When some ticked patterns would print on more than 30 pages each, Batch Export lists them and asks. OK includes their full charts; Cancel puts a one-page overview and the color key in the .zip for those patterns instead (“Pattern name - Overview and Key.pdf”), with a short note (“Pattern name - About the PDF.txt”).

To go the other way, from many photos to many patterns, see Batch Photo Import in chapter 41.

46. Use Stitch-Along Autoplay ENHANCED IN STUDIO

The Stitching Guide (**Stitch** > **Guide**, or press G) takes you through the pattern one bead at a time: it shows the step, the bead’s row and column, the current and next bead, and a progress bar, with ◀ **Prev** and **Next** ▶ buttons (or the ← and → keys). Pro has the same guide. Studio adds Autoplay, which moves on by itself, and a minimap.



The Stitching Guide with the Studio autoplay controls and minimap

Autoplay controls

Control	What it does
▶️ **Auto**	Starts moving one bead on at a time. While it runs the button says ⬛ Stop; click it to stop. It stops by itself at the last bead.
Speed	Slow (about 1.5 seconds a bead), Medium (0.7 seconds, the default) or Fast (a quarter of a second). Changing it while Auto runs takes effect at once.
Tick	Plays a short tick each time the guide moves on, so you can keep your eyes on your beads.

Minimap. A small picture of the whole pattern under the controls marks the current bead with a red square and its row with a band, so you know where you are even when the chart is zoomed in.

The guide counts every cell of the pattern, including empty ones, so a 17 × 17 pattern has 289 steps. You can click Prev or Next while Auto runs, or stop, move and start again. ✕ **Exit** (or G) closes the guide and stops Auto.

> **Tip:** Start on Slow with Tick on. When you have found your rhythm, move up to Medium.

47. Your Studio License: Pattern Books and Wholesale STUDIO ONLY

Every edition of Krazy Stitcher comes with commercial-use rights, at no extra cost and with no royalties. The Studio license adds two rights the other editions do not have. This summary follows the Commercial Use License on krazystitcher.com (KrazyStitcher-Commercial-License.html); the license itself is the wording that counts.

Commercial use rights by edition

Right	Essentials	Pro	Studio
Personal use (stitch for yourself, gifts)	Yes	Yes	Yes
Sell finished crafts (Etsy, craft fairs, commissions)	Yes	Yes	Yes
Sell individual patterns you created	Yes	Yes	Yes
Sell pattern collections or books (print or digital)	No	No	Yes
Bulk or wholesale distribution of patterns	No	No	Yes

What Studio adds. With Studio you may compile and sell pattern collections and pattern books, in print or digital, including on platforms such as Amazon KDP, and distribute your patterns in bulk or at wholesale to retailers or other sellers.

What every license includes, and does not. Your patterns are yours: Krazy Stitcher claims no ownership of them. The license covers original designs you make with the software, not patterns made by other people. It does not let you share, resell or copy the Krazy Stitcher software itself, and it covers personal use on up to 3 devices you own. Attribution is welcome but not required; “Created with Krazy Stitcher” is enough.

Tools for selling. The Pattern Package and Booklet (chapter 43), the Listing Page (chapter 44) and Batch Export (chapter 45) are built for this. The Watermark and the Licensed to line in the Print… window (Protect a PDF you sell, chapter 22) discourage sharing, though nothing can prevent it.

> **Note:** This is a summary, not legal advice. For questions about commercial use, write to info@krazystitcher.com.

What’s New in Krazy Stitcher Studio (November 2026)

This chapter lists what was added since the last edition of this guide. Each tool is also described in the Help panel inside the app (press Ctrl+K and type its name).

New in version 3.6.108 (November 3, 2026)

Rebuild from a Paper Chart. File > Import > Rebuild from Chart turns a paper chart you own into a pattern. A word chart (“Row 3: 2 A, 1 C, 4 B”) is read exactly, with its key. For a scanned or photographed color chart, Krazy Stitcher reads the color in the middle of each bead, then you confirm the beads from the pattern’s key. Each step can be undone, and the pattern is marked “Rebuilt from a scanned chart” in Pattern Notes. See Rebuild from a Paper Chart in chapter 12.

Straighten. For a photo taken at an angle, or a page that curves near a book’s spine, put the four numbered corners on the corners of the chart, and Krazy Stitcher straightens the picture before it reads the colors.

Charts on several pages. Rebuild each page as its own pattern, then join them with Split & Recompose.

Seller-tool reminder. The Listing Page, Pattern Package, Booklet and Batch Export remind you once for each rebuilt pattern that it is not yours to sell without the designer's permission.

New in version 3.6.107 (November 2, 2026)

Search this Help. A search box at the top of the Help panel shows only the topics, items and keyboard shortcuts that match, even with typing mistakes. Search tools too sends the same words to the Ctrl+K search. See Search this Help and the Help Index in chapter 3.

Help Index. Index: topics and features A–Z, under the search box, lists every Help topic and every feature. Click one to go to it.

Brand Swap wording. The Brand Swap window is now titled Brand Swap. The Help now says where the resize is really offered: at the bottom of Step 2, only for rectangular loom and square-stitch patterns, and a resized swap is always applied as a copy. See Brand Swap in chapter 13.

Help on a phone. The Help panel now fits a phone screen; before, it was cut off on the left.

New in version 3.6.106 (November 2, 2026)

Brand Swap is on for everyone. Color > Brand Swap converts a whole pattern to another bead brand in three steps, with up to three candidates and a rating for every color, a finish check, a resize offer when cylinder (Delica) and round beads differ, and a CSV report. Your My Matches pins are used first, and one Undo takes the whole swap back. Matsuno and Mill Hill are marked (preview). The ratings are estimates from bead photos, not measurements. See Brand Swap in chapter 13.

Remap is now Quick Remap. The Remap button is now called Quick Remap, and its window Quick Remap (approximate). It still swaps every color to the nearest bead in one step, with no ratings. Its Use Brand Swap instead button opens Brand Swap.

Search finds whole sections. Search looks through every paragraph of the help, not only the first one. For example, type "alternate" to find Alternate colors.

New in version 3.6.105

Beads you own are found by bead number too. Bead Inventory keeps each bead under its color. If Update bead colors or a palette update gives a bead a new color, beads you saved under the earlier color still count as owned: in the Shopping List and its PDF, print and CSV, in Bead Count (Have and To buy), in the Bead Count CSV's In Inventory column, in the shop links and in the owned marks on the palette. This works for beads from the brand palettes. A custom color is found by its color only, and when two inventory items have the same bead number, neither is used.

New in version 3.6.104

Alternate colors for every bead. Every bead from a brand with color data now has an alternate: the nearest other bead of the same brand that your pattern does not already use, the same finish first. You see it under each color in Bead Count and the Shopping List. Alternates are a best estimate, based on our conversion standard, rated like our charts; most Delica alternates rate Fair, a bead you can buy as a

substitute, not an identical one. Custom colors and Generic get none. See Alternate Colors and Older Delica Numbers in chapter 13.

A printable Alternate Colors list. Alternate colors (view or print), under Used in Pattern and in Bead Count, and Alternate colors in the Shopping List, lists every color with its alternate. Print list prints just the list.

Use ... instead. Choose an alternate and it replaces the original bead in the whole pattern and on the bead count and shopping list. One Undo puts it back. Alternates never go on your charts unless you use them.

DMC names, also called. The DMC → Delica converter shows DMC's own name as also called when it differs from the name beaders use (3865 Winter White, also called Edelweiss). Search finds either name, and My Matches shows the DMC name for a DMC pin.

Colorways follow color changes. Colorways now follow Quick Remap, Brand Swap, Merge Colors, Replace Color, Use ... instead and Update bead colors, and Undo and Redo bring them back.

Brand Swap undo. Undo after a Brand Swap in place also takes back the pattern's swap record; Redo puts it back.

Shopping list PDF names. Bead names on the shopping list page fit the column and end in "..." only when they are too long.

New in version 3.6.103

Protect beads. Click Protect (the shield button) or press P, and the drawing tools fill only empty spots. In Studio, beads on any visible layer are kept too. See Protect Beads in chapter 4.

See-through PNG. File > Export PNG, See-Through saves the bead picture with a see-through (transparent) background, for mockups. The High-Resolution PNG window has a See-through background box too, and remembers it.

A warning when colors share a symbol. When a pattern has more colors than its symbol set, Used in Pattern names each shared symbol and its colors, with Reduce Colors and Switch to Easy symbols buttons, and the chart key says some symbols are shared.

New in version 3.6.102

15 Delica colors back to their earlier colors. Our beader checked the 15 Delica colors that changed in version 3.6.100 against her own beads and retailer bead photos, and preferred the earlier color for all 15 (for example DB0001 and DB0162). They are back. Your saved patterns keep their colors. A pattern saved with the colors of version 3.6.100 or 3.6.101 lists those beads in Quick Remap > Update bead colors, which moves the ones you tick to today's colors (one Undo puts them back).

DMC 333 beader pick. In the DMC → Delica converter, DMC 333 now shows DB0696 first, marked Beader pick (KS): our beader chose it by eye against the real bead and thread.

New in version 3.6.101

Older Delica numbers become a second choice. Automatic matching uses only the 446 Delica colors that come from bead photos. An older Delica number, whose color is estimated from its name, is offered only as a Second choice. There are no “approx.” marks any more: a pattern that uses an older number gets one short note at the start of its color list, bead count, shopping list and printed reports.

Undo keeps bead numbers and names. Undo and Redo after Quick Remap, Brand Swap, Merge Colors, Replace Color, Reduce Colors or Use … instead now bring back each color’s bead number and name, not just the color.

Bead Inventory CSV in Studio. Bead Inventory now has Import CSV and Export CSV, as in Pro. Every row is checked before anything changes. See chapter 18.

All six harmony types in Help. The Help panel now lists all six color-harmony types, as chapter 40 does.

How we see color. A new Help section, Older Delica colors, and how we see color, explains the older numbers and why everyone sees color a little differently.

New in version 3.6.100

Better DMC → Delica matches. For cotton floss the first pick is now a solid bead with no metal surface. When a see-through bead is clearly closer, it is shown as a second choice marked different finish, and two picks that are equally close say so. The legend says every match is our best estimate, based on our conversion standard.

Bead colors match our charts. The app’s TOHO, Mill Hill and Delica palettes now use the same colors as our conversion charts: for example 29 TOHO colors were corrected, and 9 Mill Hill beads are now filed as metal finishes.

Update bead colors. Quick Remap > Update bead colors brings a saved pattern’s beads up to today’s swatch colors on all layers; one Undo puts them back.

My Matches reads old DMC spellings. Pins saved as DMC 5200 or White are read as B5200 and Blanc, so they work again.

Easier with a keyboard and screen reader. The palette and Used in Pattern are one Tab stop each: use the arrow keys to move and Enter or Space to pick. Saved patterns open with their own button. Reader Mode shows the row’s beads in words. Workspace tabs and layer rows are easier to use from the keyboard, and their buttons are bigger. Dark mode has better contrast.

New in version 3.6.99

Callouts follow your beads. Moving a selection with the arrow keys, or cutting and pasting it (even into another pattern), takes its callouts along, and Undo and Redo work for all of it. If some callouts would land outside the pattern or go over the 200 limit, a message says how many were left out. See Select, Copy, and Paste.

Copies keep callouts. Duplicate and a colorway’s Make a copy in this colorway give the new pattern the same callouts on the same beads.

DMC → Delica converter rebuilt. It now uses Krazy Stitcher's own DMC to Delica chart: 489 DMC colors (was 295), each with the same three Delica picks and the same ratings as the printed chart. It says plainly when there is no close match, and you can search by Delica code too. See DMC → Delica Converter in chapter 13.

Works offline after your first visit. Everything the app needs, including the 3D Preview, now comes from krazystitcher.com, so after you have opened Studio once while online you can open it, make and save patterns, export, print and import photos with no internet connection. The Photo Converter does not work offline.

Every-10 lines follow the beads. On peyote, brick and the other offset stitches, the bold line every 10 beads now steps along the bead edges on the screen too, the same as in your printed and exported patterns. Square stitches look exactly as before.

Import Photo is easier to fine-tune. Brightness, Contrast, Saturation and Blend each have a number box, the preview updates once when you let go of a slider, and double-clicking a slider (or clicking its ↺ button) puts it back. Cancel and Import stay at the bottom of the window, and the preview is bigger.

Auto-Optimize says what it changed. A line under the button lists what it changed, and Revert puts your settings back.

Merge stray beads. A new box in Import Photo, off until you tick it: single beads that match none of their neighbors take the neighbors' most common color, so photos come out cleaner. The preview says how many beads changed. Presets remember the setting, and Batch Photo Import uses it and reports the total.

New in version 3.6.98

Easy to read numbers 11 to 20. The Easy to read symbols now include the numbers 11 to 20. A pattern with more than 79 colors uses them before any shapes, so patterns with 79 colors or fewer look exactly as before. Word and text charts write them as plain numbers.

3D Preview by touch. On a phone or tablet, pinch with two fingers to zoom, and dragging with one finger turns the model instead of scrolling the page. The hint under the preview says so.

Phone view polish. On a phone, the Progress Picture's Save Picture and Close buttons stay on screen while the picture scrolls, and the backup reminder no longer covers the phone view.

New in version 3.6.97

Phone view. On a phone, Studio opens a page made for the phone instead of the full editor, with big buttons for Follow my pattern (Reader Mode), Show my design (a full-screen picture, the Progress Picture and 3D Preview) and What to buy (Bead Count and the Shopping List). See Reader Mode and the Phone View in chapter 26.

Windows fit a phone screen. The Shopping List table and Bead Count are no longer cut off on a narrow screen.

New in version 3.6.96

Listing Page (HTML). File > Export > Listing Page (HTML) saves one web page to show a pattern for sale on your own site or blog, or attached to a shop listing. It has the title, your designer name, a small watermarked picture, the photo of the finished piece if you added one to the cover, the stitch and size, a colors table, the difficulty score and time estimate, your description and your Buy the kit link. It does not contain the chart, the symbols or the pattern file. The picture makes copying hard, not impossible: a determined person may still count a small pattern bead by bead.

Callouts follow the pattern. Callouts now move with Mirror, Flip, Rotate, Turn piece, Scale, Split, Recompose and inserting or removing a row or column, and arrows move both ends. A callout on a removed row or column is removed, with a message. Undo and Redo move the callouts back and forward and keep the callouts you added or changed since.

Callouts in Print Layout. With Show callouts ticked, Print Layout draws your callouts on their beads.

Show chart as. In the Used in Pattern box, choose one of the pattern's colorways (or press Show on the chart in Colorways) to see it on the chart, the color key, the color count, Bead Count, the Shopping List window, the 3D Preview and the tube preview, also with layers and callouts. It is a view only: the pattern, its file and Undo do not change, the drawing tools are off until you choose Original again, and prints and saved files use the pattern's own colors.

Brand Swap uses My Matches. When you have pinned your own match for a bead in the target brand, Brand Swap uses it and marks it "(your match)" in the report. Match in this brand, in Colorways, uses your pins first too.

Export Open Format (.json). File > Export > Export Open Format (.json) saves the pattern in the published Krazy Stitcher open pattern format (krazystitcher.com/KrazyStitcher-OpenFormat.html), with its layers, callouts and colorways, for other programs, scripts and your own records. Every edition opens it with Import Pattern.

TIFF photos. Import Photo, and dropping a photo on the window, now take TIFF files (.tif, .tiff): color or gray, 8 or 16 bits, uncompressed, LZW or PackBits. A TIFF with several pages uses its first page and says so. A TIFF that cannot be read (for example JPEG-compressed, CMYK or very large) is refused with a message, and nothing is imported. Batch Photo Import takes TIFF files too.

Watermark on printed charts. When the watermark is on for PDFs, it is now also across every page of Print Layout, the B&W chart and the Word chart, and at the top and end of the Text chart.

Shopping list page in Print Layout. Tick Shopping list page in the Print window and Print Layout gets the shopping list page at the end too, with the same numbers as the PDF page.

For selling your patterns

Pattern Check. Analyze > Pattern Check looks for single stray beads, colors used only once or twice, two colors that look almost the same, colors sharing a chart symbol, colors with no bead code, widths that do not suit 2-drop or 3-drop peyote, and empty edge rows. Show takes you to each one on the chart.

Time estimate. The Difficulty Score window says about how many hours the pattern takes at a typical pace for the stitch. Type your own beads-an-hour pace to make it yours. The paces are typical figures, not measurements.

Colorways. Color > Colorways keeps up to three other color versions of a pattern in one brand, with real beads of that brand. Match in this brand fills in the closest beads. Save a shopping list for each colorway, a PDF with all of them, or make a copy of the pattern in a colorway.

Watermark. File > Watermark puts your name or shop name across the PDFs and pictures you share. It is off until you turn it on, and never goes on bead labels.

3D picture. In the 3D Preview choose a dark, white, light or see-through background, and Save Picture saves the view as a PNG.

Protect a PDF you sell. In the Print window, Licensed to prints your buyer's name or order number at the top of every page. You can add a password to open the PDF (it is never saved, so keep it with the order) and ask PDF readers not to allow copying text or editing. These discourage sharing but cannot prevent it: some readers ignore the setting, and nothing stops a screenshot.

Cover design. In the Pattern Package box, open Cover design and buy links: four covers (page map and contents, a photo of the finished piece, a big picture of the pattern, or a title page), a title font, an accent color and your designer name.

Buy links. Add your own shop link, such as https://yourshop.com/search?q={code}, and the Materials page gets a Buy link for each bead. A Buy the kit link can go on the cover. The links work when the PDF is opened on a computer or phone.

Chart Callouts. Analyze > Callouts puts notes, arrows, a Start here mark and numbered steps on the chart, on screen and in the PDF.

Bead stash and labels

Bead Labels. Print a label for each color for your bead tubes and bags: a swatch with the chart symbol, the bead code, the name and the brand. Avery 5167, 5160, L7651, L7160 or your own size; you can start part-way down a used sheet. Print a test page on plain paper at Actual size first.

Have and To buy. With a bead inventory, the Bead Count table shows how many grams you have and how many to buy, for the bead type you chose. The Shopping List and its CSV show the same numbers, and the Print window can add a shopping list page at the end of the PDF.

Shopping List in Studio. Inventory > Shopping List, with its CSV, is now in Studio too.

While you design and stitch

Recent colors. Your last six bead colors sit above the palette, one click away.

Remove Color. Empties every bead of one color in one step. Undo brings them all back.

Ruler. Click two beads to see the real length between them in millimeters and inches, for the bead size you chose in Size. Press Esc to stop.

Stitching Timer. Start and Pause a timer while you stitch. Each session is saved with the pattern, with the total so far.

Progress Picture. A picture to share, with the rows you have finished in full color and the rest faded.

Thread Preview. See the pattern with your thread color showing between the beads, for netting, loom and right-angle weave.

Move, size and turn the trace picture. Adjust, next to the Trace slider, lines a reference picture up with your chart.

Round and kaleidoscope symmetry. Press M to reach two more modes: four copies turned around the center, or eight (turned and mirrored) for mandalas and snowflakes.

Export Selection. Save a PNG of just the area you selected.

48. Supplies & Resources

Ready to start stitching? We have curated a complete list of recommended beading supplies, tools, and books — all available on Amazon. The resource page covers seed beads (Miyuki, Toho, Preciosa), thread and stringing materials, needles, looms, workspace tools, lighting, pattern books, technique guides, and finishing supplies.

> **Tip:** After you export your bead count table from Krazy Stitcher, use the resource page to find and order exactly the beads you need. Brand Swap and Quick Remap tell you which specific bead SKUs to buy.

View Supplies & Resources →

49. Explore the Full Krazy Stitcher Lineup

Krazy Stitcher Essentials — one-time purchase

Design bead patterns from any photo or from scratch — works offline after your first visit, no subscription.

- 22 stitch types, dark mode, configurable print/PDF export with branding & saved presets
- Built-in Thread & Bead Estimator, Row/Round Progress Counter, and Backup All / Restore
- Commercial-use rights included — sell finished crafts and individual patterns you create
- Keyboard shortcuts overlay (press **?**)
- One-time purchase, works offline after your first visit

Krazy Stitcher Pro — one-time purchase

Everything in Essentials, plus 3 more stitch types (25 total — Ladder Stitch, Albion Stitch, and Bead Crochet Rope), rotatable 3D preview, live symmetric drawing, Brand Swap (a rating for every color) and Quick Remap, a difficulty score, bead inventory tracking, a cost estimator, gradient fill, custom bead palettes, real SVG/CSV export, Color Reduction (to an exact number of colors, or with Bayer dithering), 300 DPI hi-res export, Enhanced Backup (Version History), and the 66-design Starter Pattern Library.

Krazy Stitcher Studio — one-time purchase

Everything in Pro (including the same 66-design Starter Pattern Library), plus layers, chart callouts, a Multi-Pattern Workspace (tabs for up to 10 open patterns, and compare up to 4 side by side), a 6-type Color Harmony Engine, letter and shape stamps, Batch Photo Import, Import External (CSV, text and .bead grids), the Pattern Package and Booklet with a cover designer and buy links, the Listing Page, and Batch Export (bulk PDF/PNG export of many saved patterns to one .zip). Studio also adds the right to sell pattern collections and books and to distribute patterns in bulk or at wholesale — a step beyond the individual-pattern commercial rights every edition includes. See What Studio Adds over Pro at the front of this guide.

Photo-to-Pattern Converter — standalone add-on, works with any edition

Turn any photo into a ready-to-stitch bead pattern. 9-brand, 1,922-color database, 5 dithering algorithms with blending, full brightness/contrast/saturation control, WCAG AA audited. It needs an internet connection; it does not work offline.

Color Palette Tool — free standalone tool

Build a bead-accurate color palette before you open a pattern. 6 harmony types, Delta-E/Lab matching across 5 brands/1,377 colors. One-click “Send to Krazy Stitcher.”

PatternFolio — coming soon

In development — details to come once it's finished and merged into the lineup.

Bead Conversion Chart Bundles

Cross-brand conversion charts — printable PDF charts for Miyuki Delica, Toho Round, Preciosa, Miyuki Rocailles, Matsuno and Mill Hill seed beads, some of them free — for matching colors when you switch bead brands.

No pricing here — visit krazystitcher.com to compare editions and see current pricing.

Krazy Stitcher Studio — Browser-based bead pattern maker. No tracking, no ads, no account required.