

Markup R-XP V2 User Documentation – 09/04/2026

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Welcome to Markup R-XP version 2.

Terminology and a couple of comments

I have done my best to capture all the new features in the release. If you see errors or find missing information, let me know. I use an Android tablet; so, some of the screen shots will look different if you are using IOS. I don't have access to an IOS device so, I can't point out the differences specifically. This is a US English version. I wish I could provide a version for different languages, but that's just not possible. ~ Judy Hudgins

In the table of contents, you can hold down the ctrl key and click on any line to go directly to that information.

Terminology

- MRXP2 – my abbreviation for Markup RX version 2.
- Chipset – this term is used to describe groups of icons that you see on the screen.
- Page View vs Full Page – Full Page is the view where all the pages of your pattern show merged together. Chart View (also described as Grid View) shows the pattern separated into individual pages.
- Confirmed Symbols – these are symbols that have threads assigned and have been saved and processed by MRXP2.
- Project Wizard – this term encompasses all the steps/screens that you use to load a chart into MRXP2.

Dashboard (Home Screen)

When you open this new, updated version of MRXP2, you will be greeted by the Dashboard Screen.

This view shows the appearance of the Dashboard Screen once several patterns have been loaded (**Other Recent Projects**), and one pattern is actively being worked (left side of screen). In the upper left corner, you are greeted personally, following by the tip of the day.

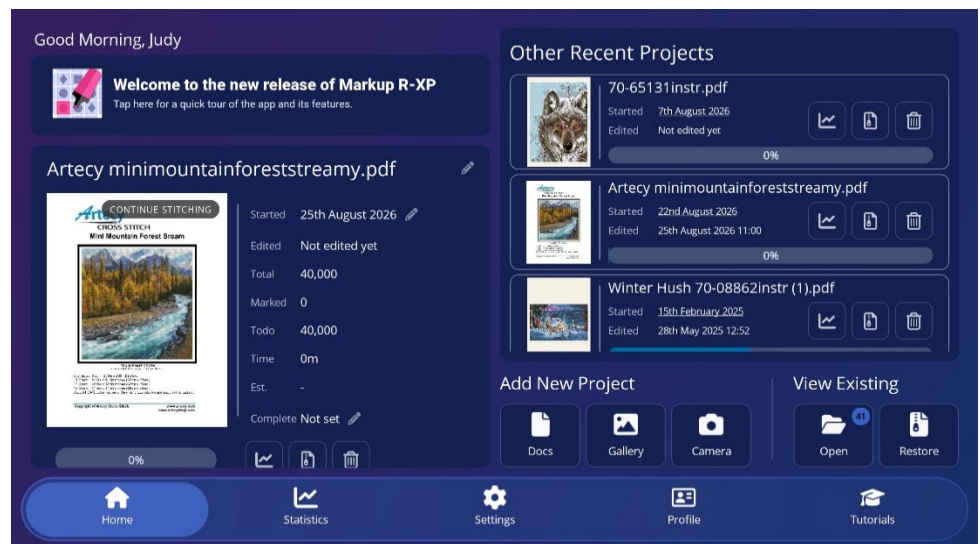
This Controls along the bottom of the screen give you access to all the main areas of MRXP2. The active screen button is highlighted. In this case, it's the Home button.

Home: Use this screen to Add New Projects, View Existing Projects, change information about the currently active program, and move to the Statistics, Settings, Profile, and Tutorial sections.

Statistics: Tap on this to view detailed statistics about your project(s). You can now view statistics for more than just the active pattern.

Settings: Tap on this to view/change various settings that you control as you work on your pattern. Examples are:

- Backstitching, fractional stitches, freehand drawing
- Setting up symbols
- Marking up patterns
- Setting up and controlling the grid and all of its lines
- Many more options



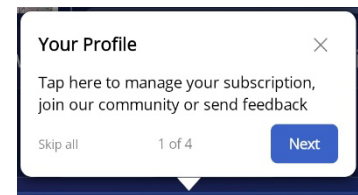
Profile: Tap on this to access your subscription, join the community and provide feedback.

Tutorials: Tap on this to view the many tutorials that are available for this app.

Screen Tips

Depending on your settings, you may see small popup screen tips that provide valuable information about the screen.

- Each tip will have number and a total, e.g., (1 of 4) would let you know you are on the first tip for this screen and that there is a total of 4 tips in that series.
- Tap on the “X” in the upper right corner to stop seeing the remainder of the tips in that series.
- Tap on **Skip All** to turn off tips on the current and all the following screens.
- On the screens in the Project Wizard, you will see an icon in the upper right corner (left of the ? mark) which allows you to view the tips for that screen again.
- Viewing the Screen Tips is controlled by a Setting → Application Settings → Show Screen Tips. Turn it on to see screen tips, but you have to exit the app and reopen it for the tips to show again. The setting is automatically turned off after you reopen MRXP2.



Help Screen

On most of the screen pages, you will see a “?” (question mark) in the upper right corner. Take full advantage of this feature – read and study the help. There’s so much valuable information in those screens.

Tour of the Home Screen

Greeting: You will be greeted by Name (upper left corner). The name is controlled by what you entered when you used the Profile and joined the Community.

News from the Developers: This will display just below the greeting. Tap on it to read the information.

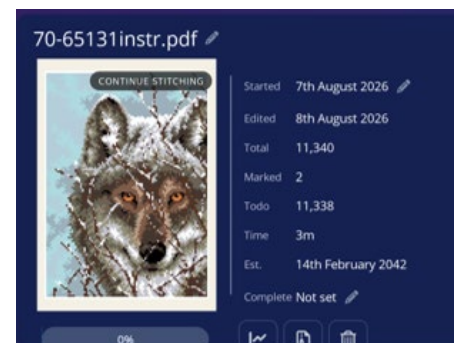
Current Project

The fields that can be edited have a pencil icon next to them.

Tap on the picture to load the pattern, and (if it’s successfully gone through the full load process), it will open on the Markup screen. Otherwise, it will open on the appropriate Load Screen.

Information and Controls

- Tap on the name to change it
- **Started:** Tap on the Started Date to change it. That way you can load a project in advance, and then set an accurate actual start date.
- **Edited:** Once you have started marking up your project, this field will show the last date that you worked on it.
- **Total:** Shows the total number of stitches in the project.
- **Marked:** Shows the total number of marked stitches
- **Todo:** Shows the number of stitches remaining.
- **Time:** Shows the amount of time spent actively stitching the project.
- **Est.:** Show the estimated completion date based on the statistics.
- **Completed:** Set an End Date. When setting the end date, you can also choose to mark off all stitches. This option will mark off everything. There’s a warning before committing because once you commit, it can’t be undone. This solves the problem when you are sure all the stitches have been done, but the count still shows there are stitches to do. This is optional.



- **Progress bar:** Shows how much of this pattern has been stitched.

Icons for the Current Project



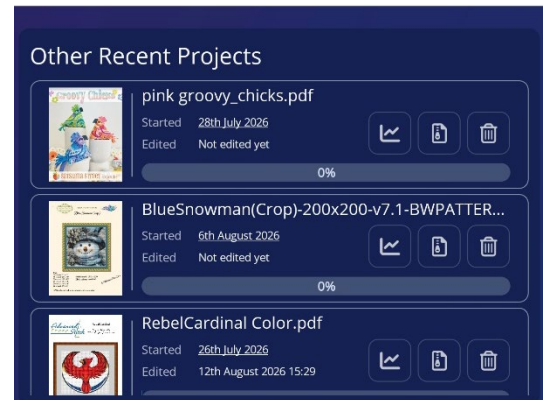
- **Statistics Icon:** Tap to view the statistics for this specific pattern.
- **Export Icon:** Tap to export the pattern with all the changes in a form that can be retrieved if needed. The files are exported with a *.rxp extension and can be restored into MRXP2. They can't be read by another app. You can export in the legacy format to load into the previous, or use the new export version for use in the new app (which is smaller and quicker).
- **Trash Can:** Tap to delete the project. You will be asked to confirm or cancel.

Other Recent Projects on the Home Screen

This shows the most recent projects. You can scroll down on this list to see up to 5 projects. If you are looking for a project that's not on this list, tap on the Open under the View Existing on the Home screen.

Information and Controls

- Tap on the picture to open the pattern.
- Tap on the name of the pattern if you want to change it.
- Tap on the Started Date to change it.
- You will see the same three icons that were on the Current Project. Tap on the one you want to go to Statistics, Export the pattern, or Delete the pattern.
- The progress bar shows the percentage of stitching completed.



Add New Project

There are 3 options available for loading patterns.

- **Document:** This refers to patterns that are stored as PDF files. If the PDF has been created with the correct data format, it will autoload, and assign symbols and threads. Some files are simple images, e.g., jpgs, that have been loaded into a pdf file for distribution. These files will not autoload or assign symbols and threads without additional work by the user.
- **Gallery:** This refers to non-pdf images (pictures) that are stored on your device or areas that MRXP2 can access such as Dropbox.
- **Camera:** This allows you to take a picture of a printed pattern.

All three options will trigger the **Project Wizard** Load process which converts your pattern to a format that MRXP2 uses.

View Existing

There are two options.

- **Open:** Use this option to view all the files that you have loaded. See screenshot below. This icon has the count of the projects showing in the small blue circle on the open button.
- **Restore:** Use this option to open files that you have exported using MRXP2.

Other Recent Project Expanded View

This screen allows you to view and access all the files that you have loaded.

The count of files is shown in the upper left corner. It also shows the sort order.

You can search by pattern name (see magnifier on right side of the screen). Other sort options are also available by tapping on the icon to the right of the search field.

Tap on the picture of any pattern to load it, and (if it's successfully gone through the full load process), it will open on the Markup screen. Otherwise, it will open on the appropriate Load Screen.

Under each picture, you will see:

- A bar that shows the percentage stitched.
- The Start Date. Notice this has an underline, indicating that you can edit it.
- The calculated Project End Date.

Each pattern picture has 3 dots above it. Tap on the dots, and the **Project Details** screen will open.

Name: Tap on this field to rename the project

Category: Change the category by tapping on the appropriate icon. You can change the name of a category in the Settings, but you can't add an additional category, i.e., 5 is the limit.

Project Backup: Tap on this to backup/export your project.

Delete: Tap on this to delete the project.

Cancel: Tap on this to exit the screen.

Save: Tap on this to save changes made on this screen, e.g., name and category.

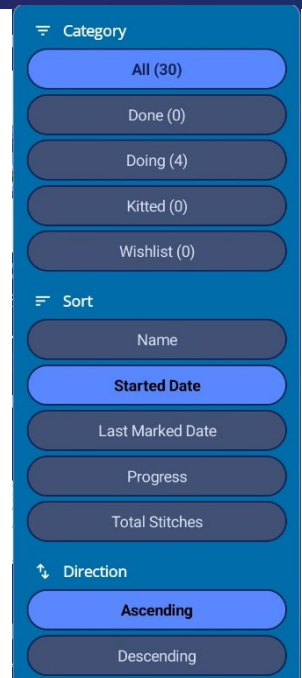
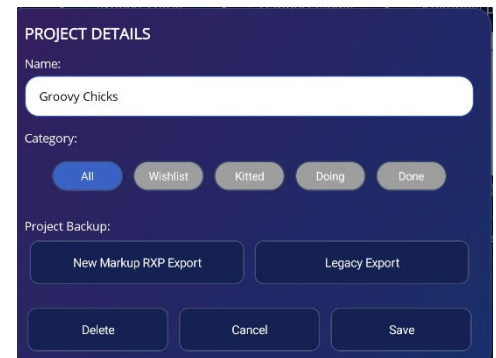
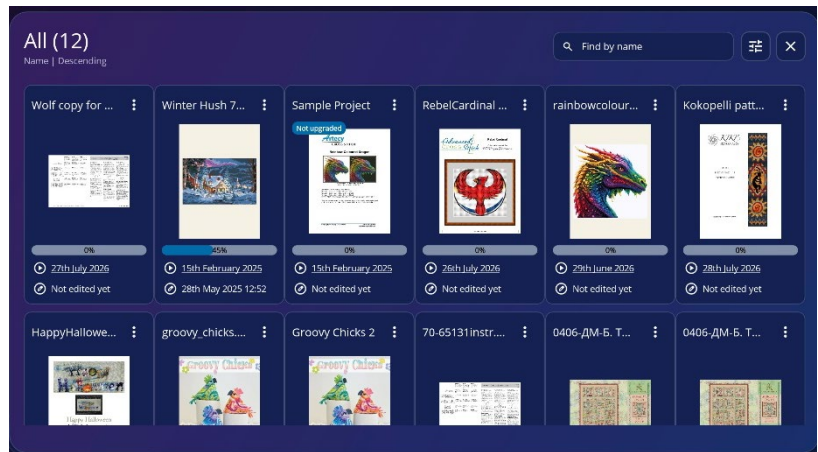
Sorting/Limiting the Projects Shown

Tap on the icon that's shown between the sort field and the "X" to open the sort screen.

Category: This is not an actual sort. Tap on it, and it limits the number of projects that are visible on the Other Recent Projects Screen.

Sort: The list can be sorted by Name, Started Date, Last marked Date, Progress, and Total Stitches.

Direction: Select Ascending or Descending, and the sort will be in the select order by Name.



Project Wizard - Overview of Loading Pattern

One of the biggest changes is that many of the functions are accessed through the Project Wizard Screens. There are 11 main screens in the Load screen which are initially accessed when you add a new project. That may seem a lot, but it allows you to seamlessly move through all phases of setting up a pattern and ends on the Markup screen. There's help available on all the screens to guide you through the necessary actions. There are also Screen Tips available to help understand the various icons and function of the app.

Markup automatically reads DMC information so symbols that use threads from other vendors will have to be entered manually on the Set Symbols screen.

The Details of the Load Process are described later in this document.

1. **Configure PDF:** Use this screen to delete unnecessary pages, clone pages (if there are multiple patterns on a page), rotate pages, set up blank pages (for SAL's), and other items.
2. **Select Chart Pages:** Use this screen to select the page(s) that make up the pattern.
3. **Select Key Pages:** Use this screen to select the key page(s)
4. **Select Picture Pages:** Use this screen to select the picture to use for the Dashboard.
5. **Set Chart Layout:** Use this screen to organize the pattern pages so they will be assembled correctly.
6. **Review Grids:** Use this screen to make sure the grid is setup correctly. If adjustments are needed, you use the
 - Grid Editor to
 - Set Corners,
 - Confirm the Grid Size, and
 - Straighten the chart.
7. **Page 2 Top Left Overlap:** Use this page to set overlaps if your pattern has more than 1 page. If there's only one page in your pattern, this screen will not display.
8. **Confirm Overlap:** Use this page to check and confirm overlaps.
9. **Set Symbols and Erase View:** If your pdf pattern is successfully autoloaded, your symbols and associated threads will be identified here. If symbols can't be recognized automatically, this screen will help you setup all the symbols. This screen also has the Erase View where you can confirm symbols and blank cells are identified successfully. This is the only place where you can access the Erase View. Once you have successfully loaded the pattern and arrived on the Markup screen, you have the ability to backup through almost all of these screen to change or view settings.
10. **Set Colors:** Use this screen to check the found and assigned symbols against the key. You can also edit and add details to the symbols on this screen. Your key pages are stored here.
11. **Chart Preview:** Use this screen to view what your finished project will look like and do a final check to ensure everything has been set up correctly.

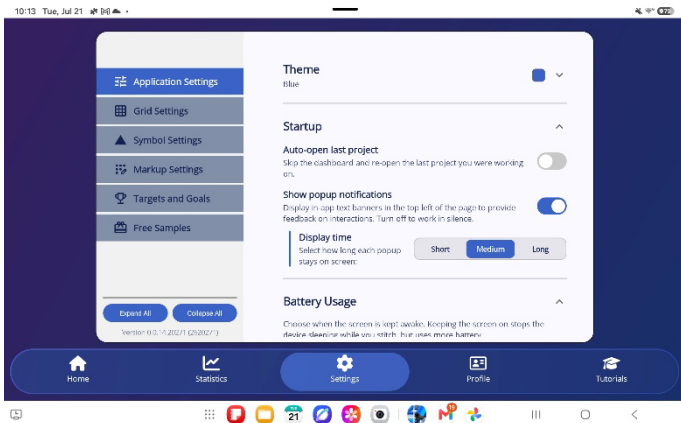
Once you have verified the setup, the **Markup Screen** will open.

Settings

The settings provide the way you can control interacting with the various screens.

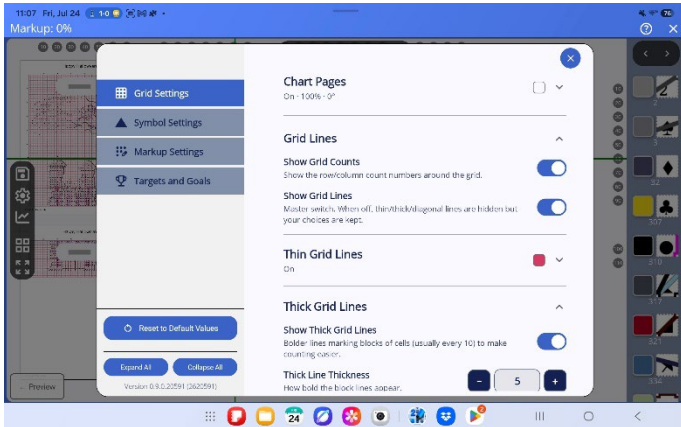
There are two Settings Screens:

- **Application Settings:** These are accessed from the Dashboard (Opening Screen). Settings apply to all loaded patterns unless the specific setting is changed in the Pattern Settings. The current **version number** is shown in the lower left corner of this screen.
- **Pattern Settings:** These are accessed from the Markup Screen and override any setting that is also in the Application Settings. So, the ones you change here are pattern specific.



This is the opening view of the App Settings screen. There are 6 options:

1. Application Screen
2. Grid Settings
3. Symbol Settings
4. Markup Settings
5. Targets and Goals
6. Free Samples



This is the opening view of the Project Settings screen that's accessed from the Markup screen. There are 5 options.

1. Chart Pages
2. Grid Settings
3. Symbol Settings
4. Markup Settings
5. Targets and Goals

In addition, you can tap on the Reset to Default Values button to reset anything you might have changed.

Application Setting Main Screen

Setting	Default	Location
Theme – colors for Markup screens 12 color options Symbols Background – set background for Symbols List to either themed or white	Blue	[x] App Settings [] Project Settings [x] App Settings [] Project Settings
Startup - Auto-open last project (skip the dashboard and go right to Markup Screen) - Show popup notifications (mini help screens) <u>Display Time</u>: Select Short, Medium Long – Set to show how long each popup stays on the screen - Show screen tips – Turn on to reshown screen tips when the app is restarted. - Chart Details for New Projects – <u>This option only shows for users on older or less powerful devices</u>. It's like the Standard Vs Extra mode in the original version. Choose Optimized or Maximum	Off On Medium Off Maximum	[x] App Settings [] Project Settings [x] App Settings [] Project Settings [x] App Settings [] Project Settings [x] App Settings [] Project Settings
Battery Usage - choose when the screen is kept awake - Keep the screen on while stitching (on Markup screen) - Always keep the screen on - Let the screen sleep as normal	Keep on while stitching	[x] App Settings [] Project Settings [x] App Settings [] Project Settings [x] App Settings [] Project Settings

Category Names (for projects) Done, Doing, Kitting, Wishlist. Additional ones cannot be added but the name of the current ones can be changed	Original names here	☒ App Settings ☐ Project Settings
Language – Turn on to force Markup R-XP to use the English (British version) language. The default language used depends on the country where you live.	Off	☒ App Settings ☐ Project Settings
Advanced – Edit symbol name and/or color while stitching while on the Markup screen. Use with caution. Turn on to allow this option.	Off	☒ App Settings ☐ Project Settings

Grid Settings - Chart Page Section (Project Settings Only)

Setting	Default	Location
Show Chart Page - Toggles chart page visibility on/off	On	☐ App Settings ☒ Project Settings
Chart Opacity – Changes transparency of chart pages which is useful for color chart. Use the slider to control the opacity.	100%	☐ App Settings ☒ Project Settings
Chart Rotation – Rotates all chart pages. Use the rotate button to rotate the pages in 90° increments. This is an alternative to having to rotate your device.	0°	☐ App Settings ☒ Project Settings
Background Color – Background of the Chart Preview step when preview is on. Tap on the color swatch to see available colors. The background color will only show in the preview screen.	White	☐ App Settings ☒ Project Settings

Grid Settings

Setting	Default	Location
Show Grid Counts – show the total row/column counts around the grid	On	☒ App Settings ☒ Project Settings
Show Grid Lines – this refers to thin, thick, and diagonal lines	On	☒ App Settings ☒ Project Settings
Thin Grid Lines – faint line around each stitch - Show Thin Grid Lines - Thin Line Thickness (1-10) - Thin Grid Color	On 10 Red	☒ App Settings ☒ Project Settings ☒ App Settings ☒ Project Settings ☒ App Settings ☒ Project Settings
Thick Grid Lines – Bolder lines marking blocks of cell (usually every 10). Can tap on cell to change thickness and spacing - Show Thick Grid Lines - Thick Line Thickness (1-10) - Thick Grid Spacing (1-50) - Horizontal Offset – shift the thick lines left/right to line them up with your chart's own grid (0-9) - Vertical Offset – shift the chart's thick lines left/right to line them up with your chart's own grid. (0-9) - Thick Grid Color	On 5 10 0 0 Red	☒ App Settings ☒ Project Settings ☒ App Settings ☒ Project Settings ☒ App Settings ☒ Project Settings ☐ App Settings ☒ Project Settings ☐ App Settings ☒ Project Settings ☒ App Settings ☒ Project Settings
Diagonal Lines – diagonal lines across each block help spot the center of a square at a glance. Also used for some modes of stitching - Select diagonal – none, \, /, X - Diagonal Line Thickness (1-10) - Diagonal Line Color	Off None 2 Red	☒ App Settings ☐ Project Settings ☒ App Settings ☐ Project Settings ☒ App Settings ☐ Project Settings ☒ App Settings ☐ Project Settings

Guide Bars – Movable bars you place around the area you’re working on to hold your place and, in some cases, restrict the area where you can stitch. - Show Guide Bars - Use Diagonal Guide Bars – These are only visible in grid-only layout - Restrict Chart to Guide Region – Limit the Symbol List, marking, and highlighting to whole cells inside the guide regions. Cells outside the region are dimmed. - Guide Bar Thickness (1-30) - Auto-place Guide Bars – Snaps the four guide bars around the area currently on the screen. You have to go to this setting screen and tap on Place to automatically move the guide bars - Guide Bar Color (semi-opaque)	Off Off Off 20 Yellow	[x] App Settings [x] Project Settings [] App Settings [x] Project Settings [] App Settings [x] Project Settings [] App Settings [x] Project Settings [x] App Settings [x] Project Settings [x] App Settings [x] Project Settings
Center Lines – Identify the middle of the whole chart (not individual pages). - Show Center Lines - Center Line Thickness (1-10) - Center Line Style (Lines or Dots) - Center Line Color	On 5 Lines Green	[x] App Settings [x] Project Settings [x] App Settings [x] Project Settings [x] App Settings [x] Project Settings [x] App Settings [x] Project Settings
Page Breaks – Marks where one chart page ends and the next begins - Show Page Breaks - Page Break Color	On Black	[x] App Settings [x] Project Settings [x] App Settings [x] Project Settings

Symbol Settings

Setting	Default	Location
Fill – Show the selected symbol as an outline or a filled highlight - Fill (Outline or Highlight) - Shape (Square or Circle)	Highlight Square	[x] App Settings [x] Project Settings [x] App Settings [x] Project Settings
Symbol Colors - Symbol Search Color – color used when finding a symbol on the chart key. (Magenta – semi opaque) - Unmarked Symbol Color – color highlighting the selected symbol’s you haven’t marked yet (Yellow – semi opaque). Note: The actual assigned thread color of the symbol is only shown when you mark it up.	Magenta Yellow	[x] App Settings [x] Project Settings [x] App Settings [x] Project Settings
Symbol Display - Ignore Marked Cells – when highlighting a symbol, skip cells you’ve already done (marked up) so only the work left is shown - Show current page symbols only – update the Symbol List to only show symbols that are used on the selected page. Applies when a single page is selected.	Off Off	[x] App Settings [x] Project Settings [x] App Settings [x] Project Settings

Markup Settings

Setting	Default	Location
---------	---------	----------

• Add Target (Daily target, symbol zero count (page), symbol completed (whole chart), page completed, every N stitches, project completed). • Once you select a target, you can select the images that will display when the target is hit (stars, confetti, fireworks, balloon, hearts, random, none) • The targets you have selected will be displayed with the type of images identified • Tap on the trash can icon to delete the target		
Stitching Time • Time Display – select the format for the stitching time. Hours and Minutes (default) or Days, Hours & Minutes		[x] App Settings [] Project Settings
Cut Off Time – The hour your stitching day rolls over and is set to zero for the day. Default it 12am	12 am	[x] App Settings [] Project Settings
Session Timeout – If no stitch is marked for the time that is set, timing pauses so idle time isn't counted. Options are 5 min, 10 min, 15 min, 30 min, 1 hr., 2 hr.	30	[x] App Settings [] Project Settings

Free Samples

There are multiple free samples. Tap on any of them to load it. The charts are actually pre-loaded in terms of passing the wizard settings and will open on the Chart Preview screen. Because of this, they will, by default, use the App Settings. If you need to make changes, just open the Project Settings to do that.

Symbol List

This list appears in the Loads Screens labeled Set Symbols and Set Colors, along with the Markup screen; so, I am giving the full detail at this point. The screenshot shows the list in View 3.

The Symbol List shows every symbol that has been found and defined in the load process, along with the thread color and other information. If you have not gone through the process of assigning thread colors, Basic 12 color will be assigned by default

There are 4 different states for this list.

Use the Symbols Toggle to change from one state to another.



1. Off – just tap on the “>” until the Symbol List is no longer visible. The Symbols Toggle will remain so you can move back through the displays.
2. Thin – This version takes up the least amount of space on the markup screen and just shows the color swatch, the symbol, and the thread number.
3. List – This version shows everything on the Thin List plus the number of symbols done and Todo. It also has headers that allow you to sort and switch to single page view (see below for details).
 - Under the name, e.g., DMC 906 for example, you will see a check mark (tick mark) followed by a count of the number of symbols done.
 - You will also see either a circle (see DMC 906) or a target (see DMC 915), followed by the Todo counts. The **circle** will show when the Todo count is 0 (zero). The **target** icons allow you to *jump to an occurrence* of that symbol on the markup page, following by the count of Todo's on the page. Tap on the target icon, and the chart pans to the next unstitched cell for that symbol and shows a blue target ring around it. You can continue to tap the target icon to go to the next occurrence.

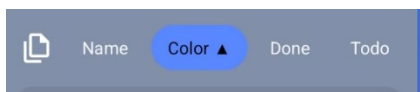


Note about the jump: The search works from left to right and top to bottom through your page. It even works across a whole multi-page chart. Play with it a bit to get used to seeing how the search works.

4. Full – This Opens a large Symbol List popup where you can sort and add/view notes. At the bottom of the list, it shows the number of symbols found and the total of done and Todos.

Edit a Symbol:

On the Markup Screen, you can Tap on the color swatch by a symbol, and you can add/change the color assignment, name, and add notes. You can't delete a symbol or add a new symbol from the Markup screen. On the Set Symbols screen, tap on the color swatch to add, delete, edit, add notes etc. You can only do this if you have changed an Application Settings (accessed from the Home screen). Under Application Settings → Advanced, you will see the setting “Edit symbol name and/or color while stitching”. Tap to turn this on.



The header for the Symbol List allows you to sort by various criteria.

Name: Sorts by the full name plus the number so, it might show DMC 3, followed by DMC 3045, etc.

Color: This sorts by just the number part of the so DMS 3 would be followed by DMC 307, etc.

Done: This sorts by the number of stitches marked done.

Todo: This sorts by the number of the stitches to do.

Each of these sorts will display an up or down arrow to show the direction of the sort.



Tap on this icon to show just the symbols on the single page you have selected or are working on. It will display the number of the page that is used for the Symbol List. Tap again to show the full Symbol List. This symbol is also available on the Full version of the Symbol List.

In some pages, the icons will change in the Symbol List heading, and they are described in the section for those screens.

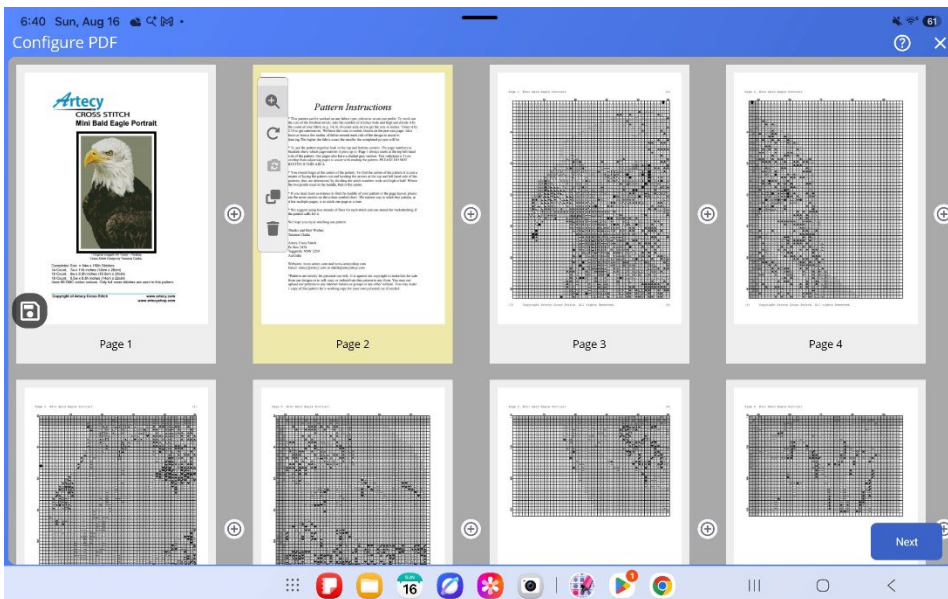
Project Wizard - Loading a PDF Pattern

When you load a project, you will step through the following screens, ending on the Markup screen. You can load up to 200 patterns. MRXP2 isn't designed to keep an entire inventory of patterns and each pattern takes up space/storage.

1. Configure PDF
2. Select Chart Pages
3. Select Key Pages
4. Select Picture Pages
5. Set Chart Layout
6. Review Grids (includes Grid Editor, Set Corners, Confirm Grid Size, Straighten Chart)
7. Overlaps – top left (there may be more Overlap screens, depending on the pattern)
8. Confirm Overlap
9. Set Symbols/Erase View
10. Set Colors
11. Chart Preview
12. Markup Screen

Configure PDF

When opened, all of the pages of the PDF are displayed with a plus sign (+) to the right of each page.



This screen shot shows the chipset open on page 2.

In this picture, the vertical bar of icons are shown in the yellow-bordered page. (This can be referred to as a chipset)

This page allows you to:

Tap on a page to see the chipset to :

- Zoom in on a page
- Rotate a page
- Combine pages from PDFs,
- Duplicate a Page
- Delete a Page

Tap on the + (plus) sign to the right of a page to:

- Add a page from a PDF
- Add a page from the gallery
- Add an image from a folder
- Take a Photo
- Add a blank holding page for a SAL

This is the point where you set the PDF up exactly as you want it.

☀️ *You can't return to this page after you go to the next page in the load process. If you need to change something on the page, you need to cancel out of the load process and restart.*

Chipset: tap a page, and the chipset for that page will display as shown above. The background of the selected page will be yellow.



Magnifying Glass with Plus Sign Icon – tap on this to open the selected page in Zoom mode. This allows close inspection of the chart page before proceeding further. Tap on “Done” on the zoomed page to return to the Configure PDF view.

Rotate Icon – Rotates the page in 90° increments. Page rotates clockwise

Picture Icon – This icon is grayed out unless you are on image page taken with a camera

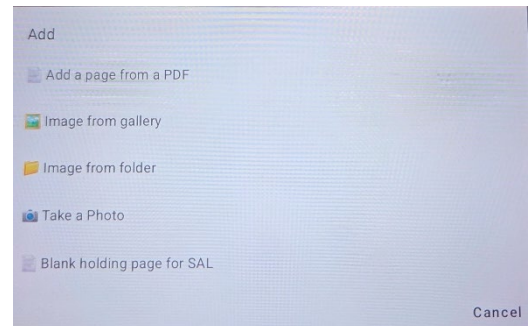
Clone Icon – This allows you to duplicate a page and is typically used when there are multiple charts on a page so each chart will have its own page

Trash Can Icon – This icon allows you to delete a page that isn't needed/wanted with a prompt shown to continue or cancel

Plus Sign to Right of Page

Tap on the Plus (+) sign to the right of any page to open the Add menu popup

1. Add a page from a PDF – opens screen to pick a file
 - Select PDF and the available pages will display
 - Tap on page to select. It will be called “inserted page” on the Configure PDF screen. Repeat if you are adding multiple pages. Multiple pages can't be added at one time.
 - Tap on Cancel to return to the Configure PDF page
2. Add Image from Gallery
 - Select image file and the Adjust Corners Step option will open
 - Image will be called “Gallery Image” on the Configure PDF screen
3. Add Image from folder on your device. Navigate to the folder and select the image.
4. Take a Photo
5. Add blank holding page for SAL – note this is the only place in MRXP where you can add a page as a holder for a SAL. The blank pages that are added at this point, can be replaced in the future. Add as many pages as there will be additional chart pages in the completed SAL. The page will be called “Added” on the Configure PDF screen. Make sure you add the SAL pages in this screen as they will be in the final pattern. The blank pages are setup with a grid guided by the neighboring pages.—the grid is not visible. When you tap on Add blank holding page for SAL, you will be prompted to type in the number of pages you want to add.



☀️ *The Blank SAL Pages can be replaced from the Project Settings accessible from the Markup Page.*

Tap on Cancel or tap on the Configure PDF page to close the Add Popup.

Other Actions for this page:

Change Order of Pages: Long press on a page and drag it to the new location

Save/Diskette Icon: This appears on the left side of the main Configure PDF page. This saves all the changes made and creates a new PDF file which is independent of the original PDF file.

Next: When you tap on this, it:

- Saves all pages internally
- Processes every page to detect grids and symbols

- Moves to the next screen in the Load process
 - You can't return to this page in the load process. You would just need to start the load process over if you want to change something beyond replacing a blank SAL page.
-

Select Chart Pages

This is the next page of the Load process. Select only the pages that are part of the chart on this page. You need at least one chart page to continue. *If you have added blank SAL pages, be sure to tap on them at this point or they won't be available for replacement when you get to that point.*

Information and Controls

- **Page Header:** This indicates the number of pages that have been automatically identified as chart pages.
- Each individual PDF page shows the page number and the row/column count for chart pages and has a blue border.
- Tap a page to select/deselect
- Double tap a page to get a full-screen view where you can pan and zoom to see fine details. Tap on Done on this page to return to the Select Chart Pages.
- **Next:** goes to the next Load page. You can return to the Select Chart Pages as needed.

Selection Chipset



Plus Sign: Selects every page in the pdf

Minus Sign: Clears all Selected Pages

Arrows: Flips every page's status so you don't have to individually tap each one.

Select Key Pages

This is the next page of the load process. Select only the pages that have the symbols and thread assignments.

Information and Controls

- **Page Header:** This indicates the number of pages that have been automatically identified as key pages, and they have a blue border.
- Each individual PDF page shows the page number and the row/column count for chart pages.
- Tap a page to select/deselect
- Double tap a page to get a full-screen view where you can pan and zoom to see fine details. Tap on Done on this page to return to the Select Chart Pages.
- If there's no key page in the chart, just tap on Next to go to the next page. A key page is not required.
- **Next:** goes to the next Load page. You can return to the Select Key Pages as needed.

Selection Chipset



Plus Sign: Selects every page in the pdf

Minus Sign: Clears all Selected Pages

Arrows: Flips every page's status so you don't have to individually tap each one.

Select Picture Page

This is the next page of the load process. Select only the pages that have images.

Information and Controls

- **Page Header:** This indicates the number of pages that have been automatically identified as key pages, and it/they has a blue border.
- Each individual PDF page shows the page number and the row/column count for chart pages.
- Tap a page to select/deselect
- Double tap a page to get a full-screen view where you can pan and zoom to see fine details. Tap on Done on this page to return to the Select Chart Pages.
- Even if you don't select a page, MRXP2 will automatically include the first page of the chart as the picture page. It can be replaced later (see Chart Preview section).
- **Next:** goes to the next Load page. You can return to the Select Picture Pages as needed.

Selection Chipset



Plus Sign: Selects every page in the pdf

Minus Sign: Clears all Selected Pages

Arrows: Flips every page's status so you don't have to individually tap each one.

Set Chart Layout

This is the next page of the load process and only appear on multi-page projects. Double check the layout and make sure all the pages are in the right order. This controls what the final chart will look like in the Markup screen. Remember that any SAL Holding Pages you added are shown and must be accounted for and in the correct location in the chart layout.

Layout Chipset



Layout Configuration Icon: The first icon shows the currently selected layout. In this screenshot, it is 4x5 (4 pages across by 5 down). If you select that icon, MRXP will display a list of the layouts that are available for the number of pattern pages. If needed, select the appropriate layout from the list shown or select Cancel to exit page.

Arrow Icon: Set Page Direction. Page numbering can either be left-to-right or top-to-bottom. Select the arrow that is shown, and it will change to a downward pointing arrow to indicate that the numbering has changed to top to bottom. Select again, and the numbering will revert back to left-to-right and the arrow will be

horizontal again.



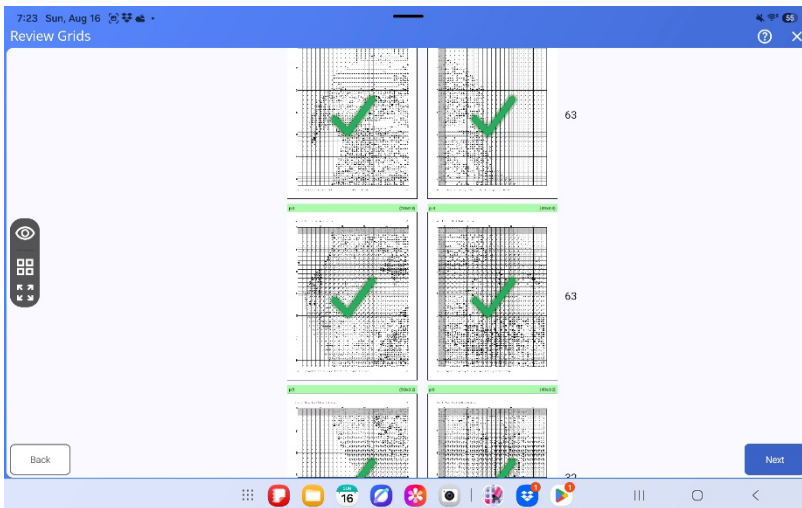
First Page Location: Select to change the location of the first page to the bottom of the chart. The arrow will change directions to point down. This would be used for PDFs that display the pages from the last to the first. Select again to reverse the page order.

Information and Controls:

- There's no icon to zoom on any one page. You can expand the entire screen with your fingers to see more detail.
- Tap on Next to go to the subsequent Load page. You can return to the Set Chart Layout page as needed.

Review Grids

This is the next page of the Load process. This view allows you to examine each page and determine that the grid layout is correct on each page and that the pages are in the right order.



Information and Controls:

- Each chart page that MRXP identifies as correct will have a green check mark on it. If a problem has been detected, the page header will be red, and problems will be identified. If you see a green check, you can still open the Grid Editor by tapping on a chart page. You may see a page with a yellow border which indicates there may be an issue but it may not be serious

Chipset

- **Eye Icon:** This is the Page Header/Information toggle. Tap to show/hide each page's information

which includes row/column, grid size, and issue labels.

- **Chart Page Layout Icon:** Tap to switch between Page View and a Chart View page layout mode as shown in the screenshot.
- **Scale-to-Fit Icon:** Shows all chart pages on the screen page.
- **Tap any place** on the page to open the grid editor (Set Corners page) to resolve problems. All pages in each row must have the same height, and all pages in each column must have the same width. If you don't have green arrows, you need to go to the Grid Editor.

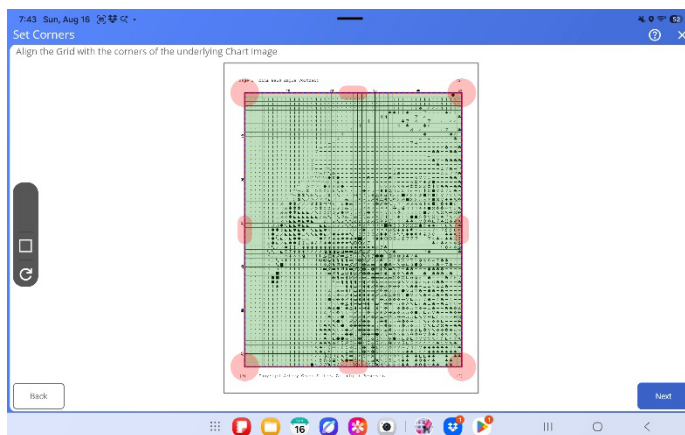
Grid Warnings

If there's no green arrow and you see the red border, small icons will display on the problem page with a description of the error that needs to be resolved. Look at the help screen for details and explanations of the errors.

Grid Editor

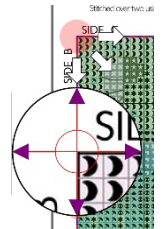
Use the Grid Editor when MRXP2 identified issues with your chart pages.

Set Corners



Set Corners Page

- **Corner Handles:** Drag each of the four handles (highlighted in red) to adjust the grid.
- **Drag Inside the outline:** Move the whole outline at once.
- **Magnifier:** This appears when you touch a handle. The arrows nudge the corner a pixel at a time. The outer arrows jump between corners. See screenshot.



Chipset

- **Corner mode icon:** This starts as a square shaped icon. If you select it, you switch to a freeform mode (used to fix skewed scans). The icon switches to a trapezoid shape.
- **Reset page icon:** Select to reload the PDF with a prompt to continue or cancel. If you continue, it re-reads the page from the PDF and resets the grid. If a grid page needs adjusting for any reason, use this to get it reset based on the PDF. Then, you can make custom adjustments from there.

Tap on Next

Confirm Grid Size screen opens. When the corners are placed, the grid needs to know how many cells it holds. There are two chipsets on this page. On the left is that Auto Card slider which allows you to **adjust the contrast**. (great for Dimension patterns) and counts. On the right side is the Manual set where you can set the row and column counts.



Tap on the auto slider and see if the row and column counts are correct. Then, if they aren't, use the Manual chipset to enter the correct counts.

For the manual set you can use the up and down arrows to change the numbers or tap on either number to open a keypad and enter the correct counts.

Grid Icon: Tap on this to show/hide the grid lines.



Straighten Chart

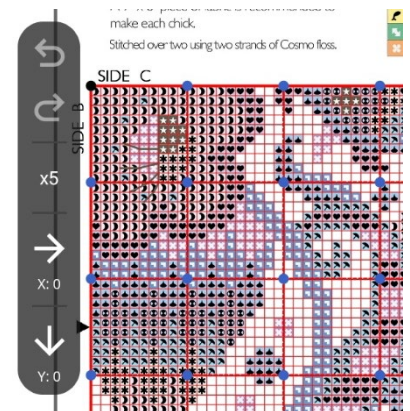
Tap on Straighten Chart to open a screen that allows you to fine tune the grid, correcting bowed, curved, or wavy lines. If you don't need to straighten the chart, just tap on Done which commits the corners and grid for good, rebuilds the page's stitch counts and returns you to the Chart Overview screen.

Straightening the Chart

I recommend watching the video tutorial for this one.

The chart will show what MRXP2 sees as the grid.

- Tap on any blue dot. It will turn green. At this point, you can move the dot to the correct intersection point. Work on the outside borders first since setting them will interactively attempt to align the lines for the remaining grid.
- Continue examining all the blue dot placements and then tap on Align. MRXP2 will try to make all the adjustments.
- If a chart is really skewed/crooked, you may need to add more points/dots for adjustment. Tap where it shows x5 on the chipset, and additional blue dots will be added every 5 cells. Continue with the adjustment process and tap Align when done.
- Tap on Finish when everything is done and return to the Review Grids screen. If the grids are aligned properly, the chart will display with a green checkmark.



Page 2: Top-Left Overlap

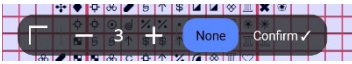
This is the next page in the Load process.

Overlap Information

There are 4 types of overlaps:

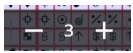
1. None
2. Top-Left overlap is the most common, and MRXP2 needs to know the amount of the overlap on the left side of the screen. Each page repeats the rows and columns of the previous page above and to the left.

3. Bottom-Right overlap is an alternative that some designers use. MRXP2 will zoom in on the bottom right of page one. This one is a mirror of #2. Each page repeats first page rows and columns below and to the right.
4. Custom overlaps are those where the overlap is not the same across all the pages.



Controls:

L-shapes: Tap this until the title bar to change the location of the overlap that you need, i.e., top-left, bottom right, or custom.



This shows the overlap selected. Use the – and + to adjust the overlap amount. This changes the amount on the fly.

None: Select if there's no overlap

Confirm: Select to confirm choice

Tap on Next to go to next page

Depending on the layout of your chart, you may also need to adjust other overlaps. Just follow the same process as above.

Confirm Overlap

This is the next page and allows you to confirm or change the overlap. It shows all of your charts on the screen so you can either verify that the overlaps are correct or make changes.

- Use two fingers to expand the view of any one screen or move around on the screen.
- Use the upside down “L” if you need to change the type of overlap.
- If the overlap number shown is incorrect, change it.
- The Grid icon is a toggle to show/hide gridlines
- Switch between full page and grid (separate chart pages) views to make sure the overlaps are working correctly. Use two fingers to enlarge the chart.
- The last icon shows all the charts sized to fit the screen.

Tap on Next to go to the next page.

Set Symbols/Erase Screen

This is the next page of the Load process. It finds the charts symbols and shows counts for each symbol. If the load is from a PDF, and it autoloading (found symbols), it will also assign the colors during this step. If it was unable to identify symbols, use this page to find the symbols. The Erase Screen is also available here and is used to make sure all of the cells on your chart are either assigned to a symbol, recognized and not assigned, or empty.



This is the only location in MRXP2 where you can access the **Erase Screen**. From the Markup screen, you can backup to get to this screen, if needed.

When the individual chart pages are shown on this screen and you select a symbol on the symbol list, the count of that symbol will be displayed on each chart page. In the grid view (as opposed to Full Page view), you will see green check marks to indicate that the grids are good.

Information and Controls

- The title bar shows the progress in setting symbols, e.g., Set Symbols: 100% (23,544 of 23,544). This indicates that all the symbols have been found. This will update in real time. You can use this count when you are manually adding symbols and thread assignments to show if you have identified all the symbols.
- There are two options at the top of the screen: Erase View and Symbol View. These only show when no symbols are selected in the Symbol List.
- If MRXP2 can read some of the symbols but not be able to assign threads, it will assign Basic 12 (bright teal), by default. Look for that assignment when you are reviewing results.

Chipset



Wrench/Spanner – Scan All Pages: This opens the Configure Symbol Setup popup which prompts you to answer several questions:

Refresh Current Page Icon: (Page with Magnifying Glass) – Tap to re-detect symbols on the current page using saved settings.

Eye – Toggle Page Info on and off. The Page Info is only displayed in Full Page mode and only on the Symbol View.

Chart View – Toggle between Page View and a Chart View.

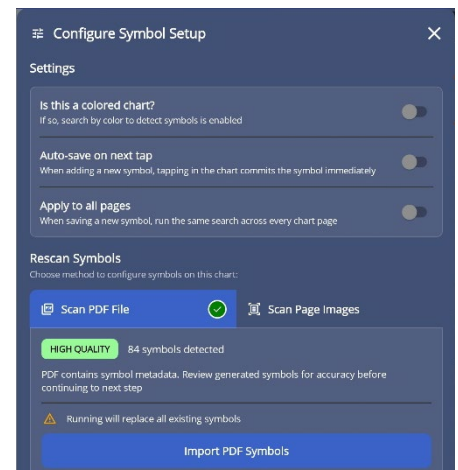
Fit to Screen Icon: Fit all individual pages to screen page.

Configure Symbol Setup

This screen is available on both the Symbol View and the Erase View by tapping the Wrench/Spanner icon in the chipset. It allows you to rescan the symbols by changing some settings.

Settings allows you to provide additional information for a new scan.

- **Is this a colored chart?** – Enable if you have a color chart to enable color scanning.
- **Auto-save on next tap** – When adding a new symbol, tapping the chart saves the symbol immediately if you enable this setting.
- **Apply to all pages** – When saving a new symbol, it will search all pages when you enable this.



Rescan Symbols

- **Scan PDF File** – tap on this if you want to base the scan on the information in the PDF File
- **Scan Page Images** – tap on this if you want to base the scan on the symbol images.

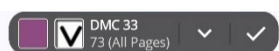
If you tap on either of the rescan buttons, all existing symbols will be reset.

Quality Badge: This is MRXP2's evaluation of the quality of the PDF data. The settings are None/Low/Medium/High. It's for information and not something the user can change, but it might alert you to a problem with the PDF.

Import PDF Symbols: MRXP2 has detected that there are some symbols that can be loaded from the PDF. If you have changed things and want to reset them or need to update the grids, tap on the button to force a reload of the symbols.

All symbols will be reset.

Symbol Chipset (Symbol Title Bar)



This chipset only displays when you select a symbol. An additional icon has been added to the Symbol Chipset – the down arrow. Tap on it to delete symbols and the Icon Match popup displays. It identifies the icon matching percentage at the top of the page, along with the current page number.

When this chipset display, the Erase View/Symbol View doesn't show. Tap on the checkmark icon on the Symbol Chipset to close it and see the two view options.

You can leave this popup open and tap on a different symbol in the Symbol List if you are making multiple changes.

Options (You can *delete a symbol* here).

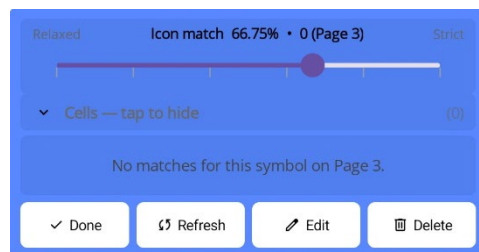
Slider: Change the percentage to use for matching for the selection symbol. You can adjust this slider if you think you're missing matches for the selected symbol.

Cells (tap to hide): This shows all the matching symbols that have been found. Tap on the down arrow to the left of the word "Cells" to close the list of all the matching symbols.

Refresh: If you do a search by tapping on a grid cell, then this Symbol List is populated with matching symbols. With the list still populated, you can then drag your finger over any missing grid cells on the chart – these initially do not get added to the Symbol List. Tap refresh to get these added, so you can see all symbols in the list at once.

Edit: Tap on this to bring up the Symbol Details popup where you can change the name, change the thread color, add a second thread to combine with the first one, add notes, etc.

Delete: Tap on this to delete the selected symbol.



Change the Appearance of a Symbol

Sometimes the symbol has backstitch (or other) marks in it that can obscure the symbol or are just annoying. You can change the appearance of the symbol.

- Tap on the symbol (not the color swatch) you want to change in the Symbol List.
- Find a version of the symbol on the pattern that you want to use and **long press** on that symbol.
- An Update Symbol Icon popup will display that asks if you want to replace the current symbol icon with the select icon. Select No or yes.

Erase View: This is the *only way* to get to Erase View. Every change here just impacts which cells are stitchable and which aren't. It doesn't change the symbols themselves.

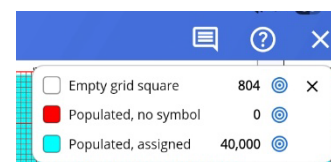
Each cell of the PDF is shown in one of three colors:

No color – empty cell

Red – symbol found but not assigned to thread

Teal – symbol found and assigned

In the upper right corner, you will see a count of the empty, red, and teal. As you make changes on the erase and symbol screen, this count will change. Tap on the "X" in the upper right corner to close this. A key icon will display. Tap on the key to reopen the count screen.



There are small target icons for each of the colors. If you are trying to find that missing red symbol, for example, tap on the target to the right of the red symbol count to start a search.

Chipsets

There are multiple chipsets on the Erase View.

This chipset is on the left of the screen.

Undo/Redo Arrows: Use these to undo or recover changes that you have made on the erase screen so in the top left corner of the screen if you make changes.

The chipset is the same as the one on the Set Symbol screen.



Wrench: Tap to open the Configure Symbol Setup popup. This allows you to answer some questions and then rescan symbols if needed.

Rescan Symbols Tap to do quick rescan of symbols for all pages. Tap quickly to stop scan.

Eye Icon: Page Info is dimmed and not available on the Erase View

Chart View: Toggle between Page View and Chart View.

Fit to Screen Icon: Show all pages on the device screen.

This chipset is on the right side of the screen. It allows you to control the number of changes that can be made at a time.



Dot Icon: Brush Mode. Allows you to continuously swipe areas and change status of cells so you don't have to tap individually on each cell.

Brush Size: In this example, the number "1" indicates that you are changing cells one at a time.

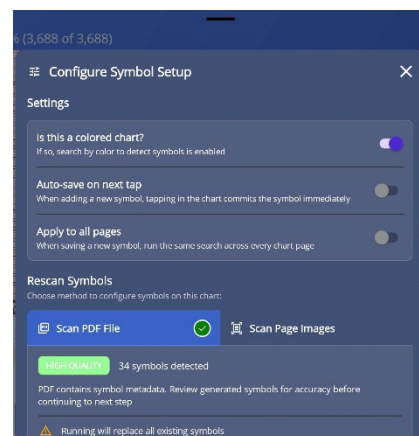
Arrows: This allows you to enter *Block Brush* mode. Use the arrows to define a block (up to 11 x 11) that can be changed all together. The "1" will change to a picture of the block you have defined and shows the block size (width x height). The block will show on the Erase Screen, and you can move it around to mass change the status of groups of symbols. Tap on the Dot Icon again to turn it off. Block Brush is activated as soon you drag your finger across cells.

Trash Can: Tap to clear all unassigned symbol across every page. These are the symbols shown in red. Use this so you don't have to manually delete each unassigned symbol.

Add a Color to Blank Cells Using the Erase View

Among other things, this can be used to add/change dates on samplers.

1. Make sure you are on the Set Symbols, Erase View.
2. Switch to page view to avoid issues where added colors would cross page boundaries in full page view.
3. Tap on the cells where you want to add colors. Use the Block Brush to enlarge your selections if you are adding colors to large areas, e.g., all background cells.
4. Once you have everything marked, switch to Screen View.
5. Tap on one of the cells that you tapped in Erase View. Since, there's no symbol, markup will not find all the cells that you selected. Tap on the Wrench icon in the chipset to open the Configure Symbol Setup popup. Tap on the first settings to indicate this is a color chart. Now, you have the option to search by color which will find the cells that you selected on the Erase View screen.
6. Tap on the color swatch to open the Symbol Details popup and assign a color and name.

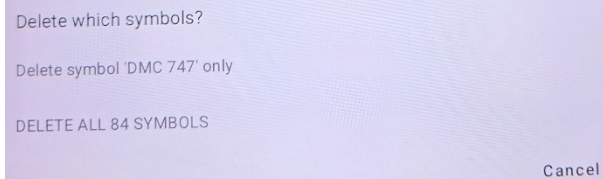


Other Icons on the Symbol List



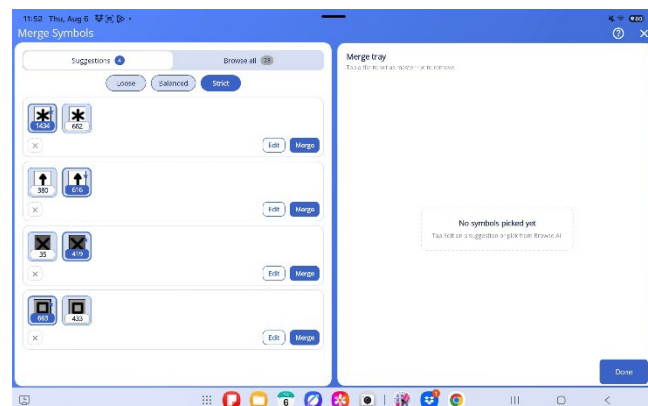
Trash Can Icon: Tap on the trash can with a symbol selected in the

Symbol List, and you will get a popup screen: Tap on one of the options to control what's deleted or Cancel to exit screen. If no symbol is selected, you will get a different message with the option to delete all symbols or cancel.

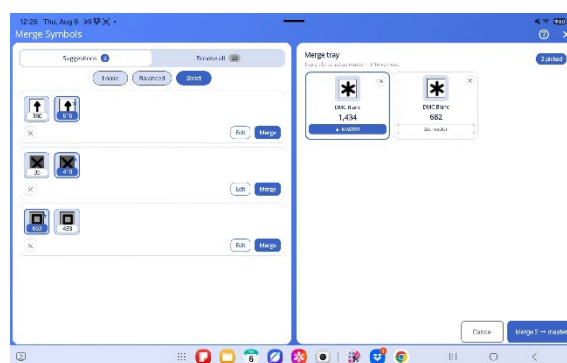


Merge Symbols Icon: opens screen for merging symbols. Use this if you have multiple occurrences of a symbol. They can be combined here. Once you have merged symbols, there's no UNDO available. It's one and done!

1. Tap on the Merge Icon to open the Merge Symbols Popup.
2. The left panel shows the symbols that are duplicated and, therefore, are available for merging. At the top of the screen, you see two options: Suggestions and Browse All with the count of each. Suggestions is the default, but you can select Browse to see all the symbols.
3. For each symbol shown, you will see two options: Edit and Merge.



4. **Edit:** If you select Edit for a symbol, the **Merge Tray** (right panel on screen shot) will be populated, and you'll have the options to review what will happen and make changes. One of the symbols will be labeled with "Master". When the merge is performed, all occurrences will be added to that version of the symbol. You have the options to select the other symbol in the tray as the master. In the left screen, the suggested Master will have a star on it. It's the one with the most stitches already assigned.
5. **Merge:** If you select Merge, the merge will happen immediately.
6. Tap Done to exit the Merge screen.
7. You will see the symbol that has the results of the merges on the Symbol List. You can delete it if you are doing a cleanup of unwanted symbols.



Adding Symbols Manually

Use this method from the Set Symbols – Symbol View page when auto-detection didn't find symbols.



Remember to use two fingers to pan and zoom on this page.

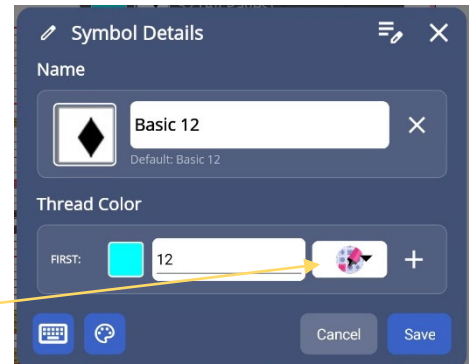
1. Tap an unassigned symbol in the pattern. MRXP2 will attempt to find and highlight every cell that matches.
2. A popup will display showing the results and method used to match symbols. Changes can be made on this screen to try and increase/reduce the matches. Tap on Save to add this to the Symbol List. If you have selected the autosave by using the wrench/spanner icon, described above, the symbol will automatically be saved.



3. Tap on the Color Swatch in the Symbol List to assign a thread color. This screen defaults to the Basic 12 color (bright teal). The **Symbol Details** popup displays.

In the **Thread Color Section**

- You can enter a custom name, up to 40 characters. When you enter a valid thread number or name, the name field will automatically be populated.
- Tap on the MRXP2 icon and select the brand of thread you want.
- Tap in the box to the left of the thread color selection and type in the number of the thread. You can tap on the palette symbol in the lower left corner of the screen to open a keyboard that allows you to type non-numeric characters. You can also tap on the palette icon to select by colors.
- Once you type in the color, the Name box will automatically populate.
- After you have selected the thread brand for the first symbol, it will retain that brand for additional symbols. You can change the brand if a symbol has a different brand.
- If you are adding a non-numeric thread color, e.g., Blanc, B5200, etc., tap on the keyboard icon to open a full keyboard.
- If you want to add threads by color, tap on the palette icon.
- Tap on Save or Cancel to exit the screen without saving.
- **Notes:** On the header of the Symbol Details, there's an icon that looks like paper and pen. (to the left of the "X". Tap on it to open the Notes view. Type in any details that you want for this symbol, e.g., Backstitch, 2 str, XS 3 str. You can enter up to 100 characters. This note will be visible in the fully expanded view of the Symbol List. When you exit and come back to this screen for the symbol, the note will be visible in small type to the right of the Name title.

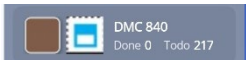


Blended Threads

Blended threads can be added at this point by tapping the plus sign to the right of the thread color you defined. You can blend a maximum of two threads.

- **Tap on Save.**
 - If you have the Symbol List in **List Mode**, you will also see the count of symbols that were found.
4. Continue with this process to manually select and assign threads to all the symbols.

Adding/Editing Symbols that are on the List



Tap on the color swatch for any symbol listed in the Symbol List to open the Symbol Details screen. Tap on the symbol to highlight all the symbols in the pattern.

Adding notes:

You can also add notes to symbols by enlarging the Symbol List View (tap on the "<" at the top of the Symbol List to fully open the Symbol Page). Just tap in the Note Field and type any information (up to 100 characters) such as "half x-stitch". You can also see a count of the total symbols found and related counts.

Erase view: After you select all the symbols (or at any time), tap on the Erase View to find symbols that are unassigned. If blank cells are highlighted in red, you can delete them here. If there are symbols that are unassigned, note them and return to the Symbol View to add them to the appropriate symbol.

☀ *If you don't see the Erase View icon, you probably have a symbol in the Symbol List selected. Deselect the symbol by tapping it, and the Erase View icon will display.*

To add them:

- Tap on the symbol in the Symbol List
- Tap on the related symbol in the pattern, and it will be added to the count.

If you are on the Markup Screen and realize you need to add or delete a symbol, you can return to this page. There's a shortcut on Markup Screen to return directly to this screen.

Tap on Next to go to the next page

Set Colors

This is the next page of the Load process. Each symbol needs a real thread color. Use this screen to check symbols against the key and, if needed, assigns thread colors based on the key. If the Auto Load worked, you will see colors are already assigned, but you can add details for blended threads and notes for any details that you want just like you did on the Set Symbols screen.

Chipset

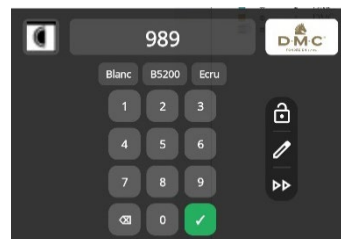


Lightning Bold Icon: Toggles between Quick Search on and off. The [Quick Search pop](#) opens which includes a keypad dock that allows you to quickly move through the symbols.

Key Icon: Shows the selected Key pages that were selected during the load and allows you to change the selection of pages. Tap Done to return to the Select Colors screen.

Chart View: Switch between individual pages of the key

Fit to Screen Icon: Shows all pages in one screen.



Details for using the Quick Search Popup

- Tap the padlock to lock to keep the keypad dock from closing; so, you can move rapidly through symbols.
- Tap on the thread icon if you need to change the vendor.
- Tap on the keypad to change the number assignment. (see note below)
- If you change the number or vendor on this screen, be sure to tap on the Green check mark to save it.
- Tap the pencil icon to open [Symbol Details](#) popup.
- Tap the double arrows to move to the next symbol. See details below.
- Caution: If you go to the Symbol Details screen, and exit back to the popup shown to the right, and are in quick search mode, it will have automatically moved to the next symbol; so, be sure to verify the symbol and the number so you don't modify the wrong symbol. If you don't want it jumping to the next symbol, turn off Quick Search by tapping the lightning icon.

Note about Alphanumeric identifiers for threads:

- If you are using DMC threads, you will see three buttons on the screen above: Blanc, B5200, and Ecrú. Since the keypad won't allow any letters to be typed, you can just tap on one of these buttons, and it will be shown on the screen. Be sure to tap on the green check mark to save it.
- If you aren't using DMC threads and are using a vendor that doesn't use numbers to enter threads, e.g., Classic Color Works. You can't enter anything on this screen, but you can [tap on the pencil](#) to open the Symbol Details screen, tap to open the keyboard. You can type name of the thread directly into the Thread Color field.

Symbol List Icons

The Icons at the top of the Symbol List have changed:

- **Refresh Icon:** Tap to clear the current match markers and fit all the key pages on the screen. This is used to start a fresh search from the full key. A screen message will display that "Symbol Search Reset. Select next symbol."
- **Merge Icon:** Use to merge duplicate symbols. See detail in the Set Symbols section of this document.



Information and Controls:

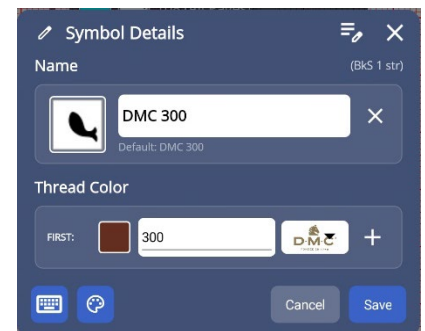
- The key page expands and pans so the symbol is visible.
- Tap on a symbol in the Symbol Column, and the symbol will be highlighted in the key page. You can expand the key page view to see details.
- Tap on the color swatch in the Symbol Column and the Symbol Details will open.

Setting Colors and Editing Colors:

This is the same screen that's shown in the Set Symbols page.

This screen shows the symbol and the name.

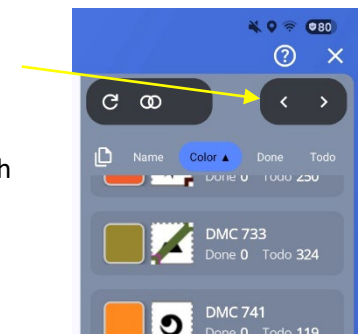
- Tap the Name field if you want to edit the name. The new name will show up in the Symbol List, and the original name will show in small type below the name field.
- Thread Color Area, you can change the thread brand (tap on the dropdown arrow where DMC shows in this example to see the extensive list of brands).
 - You can tap on the number (in thread color), and a numeric keyboard shows. You can type in a new number and switch on the fly to seeing and editing the details for another different symbol.
 - Type on the "+" sign to add an additional color, i.e., create a blended color. The new number will be added to the original name, e.g., 906, 470.
 - There's a trash can icon beside that additional color, and it can be tapped to delete the entry.
- **Notes:** On the header of the Symbol Details, there's an icon that looks like paper and pen. (to the left of the "X"). Tap on it to open the Notes view. Type in any details that you want for this symbol, e.g., Backstitch, 2 str, XS 3 str. You can enter up to 100 characters. This note will be visible in the fully expanded view of the Symbol List. When you exit and come back to this screen for the symbol, the note will be visible in small type to the right of the Name title.
- Be sure to tap on Save to keep your changes
- Additional icons on this screen:
 - Tap on the keyboard to see a full keyboard so non-numeric numbers can be entered.
 - Tap on the palette to see a picture of all the colors and select a thread from that screen.



Add additional details to a symbol.

Another way to add notes to the symbol is to use the arrows at the top of the Symbol Columns, tap on the left arrow at the top of the column to open the display into a full Symbol List.

Enter any additional information in the Notes area of the list, e.g. Half X. 1 strand of each color. This note will only display in the full Symbol List.



Backstitching Colors

A key may have instructions that identifies backstitching, French Knots, beads, fractional stitches, etc. in the pattern. None of these are tracked as they aren't symbols. If there's a color in the chart that is only used for one of these items, i.e., not cross stitches, the thread color will not show up in the Symbols List. You can add a backstitch layer and thread colors, along with other details in the Layers Panel accessed from the Markup Screen.

Backstitching will not be counted in the statistics.

Chart Preview



This is the next page of the Load Process and shows the fully configured chart. Use this screen to examine and preview your configured chart. Tap on Next to finalize your changes and go to the Markup screen.

Chipset

When this step is opened, the Chart preview (eye icon) is highlighted in blue and a preview of the chart is shown with the actual colors.

Camera Icon: Tap the camera and the Project Cover will be updated with the image shown.

Chart Preview - Eye Icon: Tap on the eye icon with the slash through it to change to Chart Preview. Tap again to turn it off. The preview shows the chart with symbols colored, but no symbols are shown. When the Chart Preview is turned on, the Camera Icon isn't available. Use this icon to toggle to the pattern page.

Picture Page Icon: Switches to picture pages. Toggle to flip between the chart's finished picture (if it has one) and the Preview.

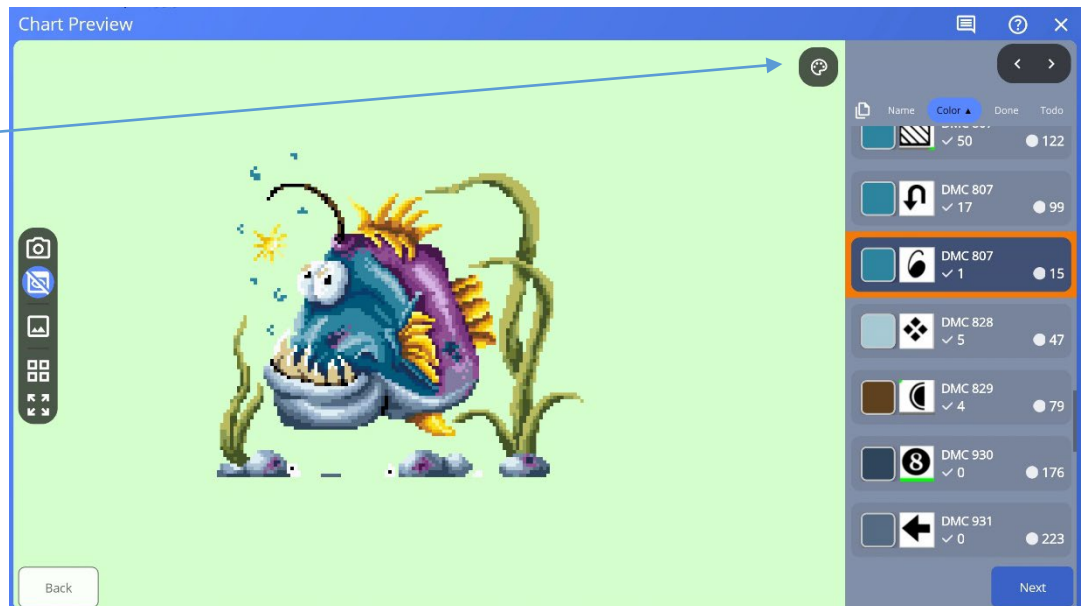
Chart View: Toggle between Page View and a Chart View.

Fit to Screen Icon: Reset the chart page layout to see all pages on the screen.

There's an additional icon on this screen – it's the small palette icon in the upper right corner of the pattern view.

Tap on that icon and you will see a selection of colors that are available for the page background.

Tap on a color, and then tap on OK. You will now see the background (fabric) color in the preview.



Adding Picture and Key Pages to This Screen

Tap on the Picture Page icon and you will see an additional option:



Pencil Icon: This is the Edit Picture Pages Icon.

Add Picture:

- Tap on this, and the Picture Page from the load Wizard will open.
- From here, you can tap on additional image pages to add. If you already have one tapped, leave it, and just tap another.
- Tap on Return and you will be back on the Chart Preview with all of the pictures you have selected in view. You can pan or zoom (one finger or two). Maybe you want to be able to jump quickly from the Markup screen to see a page of instructions. If so, use your fingers to enlarge that page, if you want.
- Tap on Next to go to the Markup screen.
- Now, you can move quickly between the Markup screen and the additional detail picture you added to the Chart Preview screen.

Add Key:



- If you go back another step from the Chart Preview, you'll be on the Set Colors screen and see additional icons.
- **Key Icon (Edit Key Pages):** Tap on this icon to open the Select Key Pages from the load Wizard.
- Without having to delete existing key pages, you can add additional ones. As an example sometime a pattern will include an alphabetic list of thread colors without symbols. MRXP2 can't use that to assign symbols, but you might find it useful for your reference.
- Tap on any page you want to add.
- Tap on Return to go back to the Set Colors page. You will see the original key page plus the page(s) you have added.
- At that point, you can also add these key pages to the Chart Preview page; so, when you jump back and for the between the Markup screen and Chart Preview, you have a lot of additional information at your fingertips.

There's a video that shows an example of all of the above: [Keys and Pictures - how to view these pages](#)

Information and Controls:

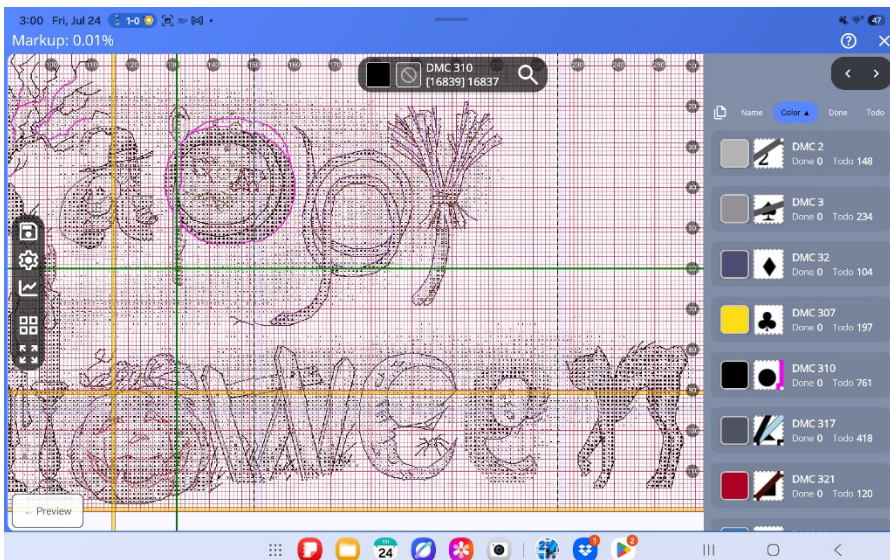
Tap on Next to open the Markup screen. If you need to make any changes to the configured pattern, use the Preview button to move backwards through the load screen to make changes. You can also jump to certain areas in the load process from the Markup Screen. See below.

Markup Screen

This is a view of the Markup Screen. Tap cells to mark them off as you stitch and track your progress. In addition, it provides:

- Rotate the charts without rotating the screen page.
- Dim underlying symbols
- Preview marked off cells
- Show/Hide the grid
- Preview the finished pattern in color
- Highlight unmarked cells
- Show last stitch done
- Lock marked cells so they can't be accidentally changed
- Layers (Backstitch, Freehand, and Text)
- Change symbol color names, threads, and notes
- Markup Functions such as markup all symbol cells, markup selected symbol cells, etc.

Reminder: You can't add or delete symbols on the Markup screen. You must be on Set Symbols to add, delete, or change the appearance of a symbol. In the Application Settings, Advanced, you can activate the setting so you can change the symbol name, notes, and/or thread color.



Chipset



Save Icon: Tap to save the project. This is not the same as exporting your project where it is permanently saved outside of MRXP2. Just tap on this occasionally to save your current work in case your device briefly fails.

Routine saves are done automatically in the background.

Gear Icon: Tap on this to open the Project Settings.

Info Icon: Tap on this to open the statistics and project info screen.

Chart View: Toggle between Page View and a Chart View.

Scale to Fit Icon: Show entire project (full page or individual pages) on a single screen.

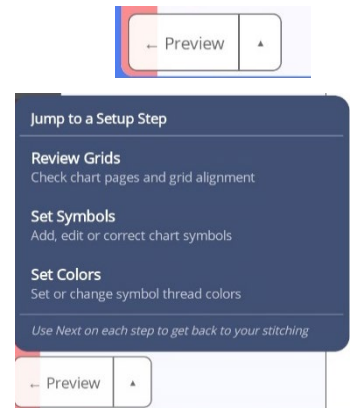


Use two fingers to zoom and pan (move around the chart). Use 1 finger for marking up the grid.

Preview Button:

Tap on the left side of the Preview button to go backwards through all the Wizard load screen, starting with the Chart Preview.

Tap on the small arrow on the right side of the Preview button, and a popup will display that allows you to **Jump to the most used Wizards screens** as shown. Once you have reviewed/changed items on those screens, use the Next screens to move through all the remaining Wizard screens. You won't be able to jump directly back to the Markup screen because those remaining screens process changes that have been made.



Stitch Count on Chart Screens

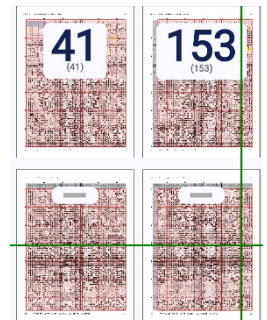
At times you will see screen counts shown on your chart screens – one example is on the Markup Screen.

- The large number, e.g., 41, shows the remaining counts of the selected symbol.
- The small number in parentheses, e.g., (41) in this example, shows the total counts for the symbol.

The counts will vary depending you view: single page vs all pages.

If you don't have single page selected, the numbers will show counts for the entire chart.

- If there's a gray bar showing (see example on lower two screens), it indicates that the symbol does not exist on a page.
- If there's a zero (0) showing, it means that the symbol exists on the page but it has all been marked off.



Controls:

Marking up and moving around on Markup Screen

- **Pan and Zoom:** use two fingers to zoom and move around the chart. This is one of the biggest changes from the previous version. There's no separate Zoom button. If you forget and accidentally use 1 finger to try and move (pan) around the chart, symbols will be selected or marked up. An Undo option will appear on the Symbol Chipset (Symbol Title Bar) to fix the accident.
- **Tap a Single Cell:** Use one finger to tap a single cell to mark it with the current symbol's color. Tap again to unmark it.
- **Drag across multiple cells:** Use a single finger and drag across multiple cells to mark/unmark them. Use the Undo/Redo on the Symbol Chipset (Symbol Title Bar) if you mark or unmark by accident.

Parked Stitches: Double tap the corner of the cell to indicate a parked stitch and place it in the corner where you want it. Tap the parked stitch once and will be marked up, be counted in the statistics, and no longer be parked.

Markup Functions

These functions allow you to quickly mark or clear stitches in bulk across the chart or current page. From the Markup Screen, tap on the Settings icon  in the chipset. Then tap on Markup Settings. Depending on your device, you may need to scroll down to find all these options.

- Apply to: Select whether the functions apply to the Whole Chart or the Current Page
- Markup All Grid Squares (prompt to cancel) – marks up all cells using assigned colors
- Markup All Symbol Cells (prompt to cancel) – marks up all cells with a symbol using the assigned colors.
- Markup All Selected Symbol Cells (prompt to cancel)
- Clear All Selected Symbol Cells (prompt to cancel)

- Clear All Markup (prompt to cancel)

Using the Functions with the Guide Bars

These functions also work with the Guide Bar setting to Restrict Chart to Guide Region. You can move the guide bars to a specific area of your chart. Then, if you have used the Restrict settings, the Markup Functions will only operate in that area.

Mass markups will not be counted in the daily stitches as they can skew the statistics.

Change Symbol Name, Thread, and Notes

You can only do this if you have given permission in the Application Settings (accessed from the Home Page) and selection Advanced → Edit symbol name and/or color, and tapped on the slider to turn it on.

- Tap on the color swatch for the symbol that you want to change.
- The Symbol Details screen will open
- Enter your changes and tap on Save.

Guide Bars

You control the display of the various guide bars in the Settings, Grid Settings. This applies to the horizontal, vertical, and diagonal guide bars.

Controls:

- You drag a bar to move it and double tap it to lock it in place.
- **Auto-placing a guide bar**
Use pan and zoom (two fingers on the screen to view the area where you want the guide bars to appear. Open the Project Settings and tap on Place in the Grid Settings – Guide Bars section.
- **Frame a Region on the Chart**
Use the guide bars to frame a section of the chart you want to restrict. Open the Project Settings and tap on Place in the Grid Settings – Guide Bars section. Chart symbols outside the region will be dimmed and be unavailable. The Symbol List will also be limited to the symbols in that area.
- If a guide bar is locked, you won't be able to move it. Double tap to unlock it. It will have a little padlock symbol on it if it's locked.
- Diagonal guide bars can't be moved.

Guide bars keep their position when/if you rotate the chart.

Framing a region with the Guide Bar and setting the Restrict Chart to Guide Region, will also work with the Markup Functions described above. . You can move the guide bars to a specific area of your chart. Then, if you have used the Restrict settings, the Markup Functions will only operate in that area.

Daily Progress

This is set in the Project Settings, Targets and Goals, Daily Target (see details in Settings in this document).

As an example, I had set my Goal to 100 stitches, Display Style = Side Bar, and Show Daily Target on Chart.

- A small red "lozenge" shape is displayed in the lower left corner of the Markup screen which includes the amount completed plus the goal
- Tap on the lozenge, and it will expand to show a longer version which visually tracks your progress – this can't be turned off unless you change to the radial display.
- Tap on the lozenge again to close the expanded version and return to the smaller one.
- The lozenge changes to green when the goal is reached.
- Additional stitches will be counted and shown with a plus sign to the right of the lozenge.

Radial Display: If you switch to Display Style of Radial, a circle will display in the lower right corner of the Markup screen, with the target/goal for the day displayed. As you mark off stitches, the amount is reduced or

increased, depending on your settings. If you exceed your goal, the extra stitches will be shown with a plus sign near the image. On the Markup screen, you can tap on the radial display, and it will change size. There are small, medium, and large available.

Celebrations

In the Settings → Targets and Celebrations →, you can choose the type of celebration you want to see (if any) when a goal is reached for each goal you have set up. If a celebration is in progress, you can just tap the screen to immediately stop it.

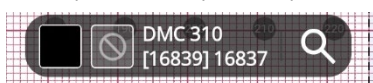
Symbol List on the Markup Screen

This shows all the symbols that you have identified and to which colors have been assigned, the number done, and the number Todo.

Tap on the symbol that you want to markup, and all occurrences of that symbol will be highlighted in the color selected in the Settings, Symbol Settings, Symbol Colors, Symbol Search Color.

See details for the Symbol List in the first part of this document.

Symbol Chipset (Symbol Title Bar)



This is what the default bar looks like. It will change as you perform different functions. It shows the color swatch for the symbol, the symbol, the thread assigned, [total counts], Todos, and a magnifying glass that controls how various markup styles work (see below)



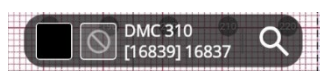
Once you update cells, the undo/redo symbols show.

The Bar Shows:

- Undo and Redo
- Color Swatch (color of selected symbol)
- Symbol
- Thread name/number
- Total stitches and Todo stitches
- Magnifying Glass has 4 states (tap to change from one state to another)
 1. White – Use single finger to mark off any cell
 2. Magnifier with “X” - Tap on a symbol in the Symbol List and the magnifier changes to be magnifier with an “X”. Tap any of the highlighted symbols to mark them off.
 3. Red – Tap on magnifier with symbol still selected, and magnifier turns red. Now you can single tap on a grid cell with a different symbol. It will de-select the previously selected symbol and highlight all the symbols associated with the grid cell symbol you tapped.
 4. Long press on magnifying glass shows it as Red with Arrows for multi symbol search. In this mode, just tap on any cell and the symbol in that cell will become the active symbol. In this state,
 - The user can also use a single finger to pan around the chart
 - No marking off is done in this state
 - Two fingers are still needed to zoom
 - This is similar to the pan and zoom option in the previous version and makes it easier to move around the chart with a single finger.
 - When the user has selected /found desired symbol, tap on the symbol. Tap on magnifier to return to “White with x state”, i.e., makes current symbol active and markup mode is available

The Layers Panel

This is James Kewin description: “when I designed this, I thought of the screen in multiple different layers, as if you were laying out the details on a table. First, you would have the chart pages (show/hide, change opacity, rotate), then on top of this would be the markup, this is the aim of the whole app after all (show/hide, grids on/of, view preview, view unmarked, last stitched, lock marked stitches). Then you have (up to 5) drawing layers - these are completely custom, and the user decides what to include. For some charts that could be backstitch, for other fractional stitches. You may want to use freehand to circle an area to investigate later, or add notes to remind you of the thread change etc. I've tried to make the layers as flexible as possible. Each layer can include any drawing tools, so one layer could have backstitch and fractional stitches, in different colors or different sizes. So if you wanted, you could have one layer that does everything and you just switch the tools. I thought 5 was enough, and I add 3 by default on each new chart. And if you don't need any drawing layers, you can delete them all. Hope that gives a little background on the design.”



This panel is access by tapping on the **Text Part of the Symbol Chipset (Symbol Title Bar)**. Everything you see on this screen is stacked in layers and various functions are available on this panel. Tap on the Text Part of the Symbol Chipset to close the Layers Panel.

The first two entries on this panel (Chart and Markup) are functions that work on the Markup layer.

Chart Row:

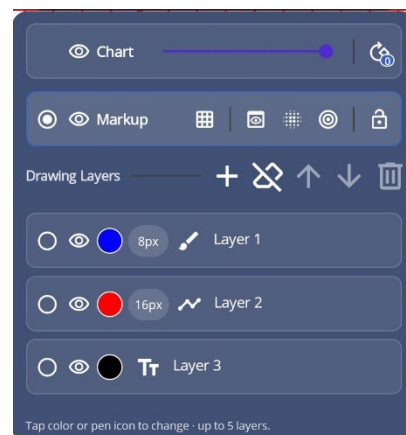
- **Eye Icon:** Toggle to show/hide chart. Hide will only show the marked-up cells and won't show any symbols
- **Opacity Slider:** Use to dim the underlying symbols. This is especially handy with some colored charts.
- **Rotate Icon:** Use to rotate the chart clockwise, 90° at a time. The guides, rulers, and center lines rotate with it, but everything else remains the same.

Markup Row:

This row has to be activated by tapping on the circle on the left end so it is highlighted.



- **Eye Icon:** Tap to show/hide the currently marked off cells.
- **Grid Icon:** Tap to show/hide the grid lines.
- **Preview the finished pattern:** Shown in full color.
- **Highlight any unmarked cells:** If you have a color selected in the Symbol List, it will highlight the unmarked cells for that color. If you don't have a color selected, it will highlight the unmarked cells in the entire chart. It will highlight the unmarked cells in the color selected in the Settings – Symbol Colors – Unmarked Symbol Color. If you want to see the grid with unmarked cells, just tap the eye icon (second symbol on the Markup row) to toggle the grid on and off.
- **Target Ring (Last Stitch Marked):** Tap on this icon, and it will flash a target ring on the last stitch done. It also moves the chart to that location. If the Layer Panel is hiding the target, just tap on the Symbol Chipset to close the Panel. Tap again to bring it back.
- **Padlock Icon:** Tap to lock marked grid cell so nothing can be unmarked either accidentally or on purpose. The padlock will change to show a locked padlock. Tap again to unlock if you need to unmark cells.



Note: If you have tapped to turn both of the eye icons off, you will see a blank chart with just grids and will get a warning message to that effect. Tap on restore to turn both eye icons on.

Drawing Layers – when you first open the screen, you will see three layers labeled Layer 1, Layer 2, and Layer 3. Each of these can be redefined, edited, deleted, etc. The names can be changed to describe their function such as Backstitch, Freehand, and Text Notes, but that’s optional. There is no restore function if you delete a layer by accident. If you delete one by accident, you’ll need to recreate it. Think of the layers as separate transparent sheets that don’t interact with each other and overlay the Markup Layer. The use of the layers is fairly wide open. You can enter notes to yourself (either typed or freehand), mark a place in your pattern that needs further attention, track your backstitching visually, etc.

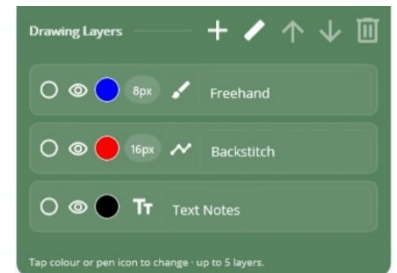
This following layer functions are brand new to MRXP2 and are very powerful. I recommend you play around and practice using them. There will also be tutorials on their use.

☀ *The Markup screen is one layer, and you can define 5 additional layers on this screen. None of the marks or actions on any of additional layers change the Markup screen.*

This screen shot shows an example with the Names changes to indicate their function to me.



- **+ icon:** Add a layer. You can have a total of 5 layers.
- **/ icon:** delete items you select on the selected layer. Just tap on the line for example, and it will be deleted. The items have to be deleted individually.
- **Up and Down Arrows:** change the order that the layers are shown.
- **Trashcan Icon:** Delete a layer (remember there’s no undo if you delete one). It will delete any marks you have made using the deleted layer.



Layers: The layers that are available are shown next, and you can configure what you want them to do. There are icons available for each layer.



- **Circle Icon:** Tap to activate that layer. A popup will display that has redo/undo icons, the color the any action you take, e.g., for Freehand, in this example, it would be blue. It is also labeled to show you are in Freehand mode. If you tap on the “X”, it will close the popup and deselect that layer.

When a layer is activated, you can’t perform any action on other layers.

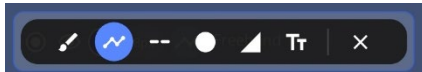
As soon as you tap on the circle, you can immediately start drawing or typing on the screen. It will use the tool that has been assigned to that layer. Remember, nothing will change on the Markup screen

To close the view of the **Layers Panel**, just tap on the Layer Description Bar. In the example above, it is labeled Freehand. That will close the Layer Panel so you can see all of your chart. The get the Layers Panel back, tap on the Layer Description Bar again.

Setting Up Layers

If you want to change or set up layers, use the following.

- Tap on the Plus Sign in the Drawing Layers Bar and a new bar will show with default settings. This is where you define the use(s) for this layer.
The following options are available for defining a new layer or modifying an existing one.
- **Color Swatch:** Tap on the color swatch to change the color you want to use on this layer. The different colors help distinguish the layer you are using.
- **Size Symbol:** Tap on the symbol that shows a number followed by an “x”. As you tap on this it, will change the size of the various tools. (2-16 pixels). This is not shown for the Text tool.
- **Tool Symbol:** Tap on the tool to select the tool that you want assigned to this layer. The following options will display.



Tap on the default tool you want assigned to this layer.

- **Paint Brush Icon:** Select this icon for freehand drawing. You can draw lines, squiggles, any shape you want.
- **Zigzag Icon:** Select this icon to draw solid straight lines. This is one of the options typically used for backstitching. The ends snap to a half cell grid and can be connected with each other. The lines will scale in size to match the Markup Layer pattern.
- **Dotted Line Icon:** Select this icon to draw dotted straight lines. This is one of the options typically used for backstitching. The ends snap to a half cell grid and can be connected with each other. The lines will scale in size to match the Markup Layer pattern.

Fractional Stitches ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ stitches, French Knots, beads etc.)

- **Circle Icon:** Select this icon to insert fractional stitches or French Knots. Remember this is only shown on the selected layer and not on the Markup screen. You can mark 4 tiny circles over any cell to indicate 4 fractional ($\frac{1}{4}$) stitches. You can't assign colors to those circles. They will just use the color of the layer. These stitches don't contribute to the stitch count. When all 4 circles are completed, it is up to the user to switch to the Markup layer and mark off that grid cell.
- **Triangle Icon:** Select this is to insert $\frac{3}{4}$ stitches. Remember this is only shown on the selected layer and not on the Markup screen. Tapping the **corner** of a cell controls the direction of the triangle. If you make a mistake, just use the undo icon and try again.
- **Text Icon:** Select this to be able to type on a layer. If you select this icon, the size indicator will just show the double “Tt”. The size of the text can be changed in the layer. These stitches don't contribute to the stitch count. When all 4 circles are completed, it is up to the user to switch to the Markup layer and mark off that grid cell.
- **Tap on the X to close the symbol icon.**
- Tap on the text part of the bar, and enter a name for your bar.

Using the Layers

- **Eye Icon:** Tap to show/hide any layers. So, you can have all the defined layers opened so you can see them all or you can hide specific layers so they aren't visible. This does Not delete any layer. Remember you can only draw or type on the selected layer.
1. Tap on the layer you want to use. A notice will display at the top of the screen that identifies the layer you are on. It also has undo/redo symbols, a color swatch to show the color you are using, and an “X” to exit the layer.
 2. Immediately starting using the layer, i.e., draw, write, insert fractional stitches. Etc.

Tips for Using Layers

- When you are on a specific layer, you can't select other layers. You have to exit the current layer first.
- As soon as you open the layer, you can start using the tool assigned to that layer.

- You can change tools, e.g., change from backstitch to the circle to insert a fractional stitch on the fly.
- You can use two fingers to move the underlying markup layer around if you want to move to a specific spot.
- If the dots (1/4 stitches) or triangles (3/4 stitches) interfere with viewing the underlying symbol, you can change the opacity of the dot or the triangle.
- If you are using the dots to indicate French Knots or beads, they may not actually replace a symbol in a cell. Just mark a nearby cell corner. You could even add a label to indicate if it's a French a Knot or bead or use a different color for the mark.
- The dots and triangles are sized to fit the underlying chart and pan and zoom along with the chart size.
- If you delete any layer (using the trash can icon), you delete all markings you have made on that layer.
- When you close the Layer Panel, everything you have entered on the layers will be visible on the Markup Layer. Use the eye icon on the layer bars to hide/show them.



You might want to have a layer that contains the fractional (circle and triangle) markings. In that way, you will see them when you close all the other layers and return to the Markup layer.

Splitting and Cropping an Image File

There's an option to split and crop to large image file (jpg, png, etc.) if you want to make the setup work a bit easier.

- When you load the file, it will open on the Adjust Corners screen.
- There are two icons in the chipset on the left side of the page

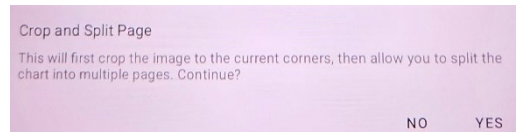


Tap this icon to rotate the page



Tap this icon to start the Crop and Split process. Tap on Yes to continue the process. If you have them turned on, there are screen tips to assist you through this process.

You will go through the Wizard pages, one by one, to allow to select how many pages you want in the split, fix grids, identify the layout, etc. Since it's an image file, you will need to identify symbols manually (you can skip this page right now if you want to do it later). Once any issues are resolved, the Markup Screen will open with your pattern.



SAL's (Stitch-a-Long)

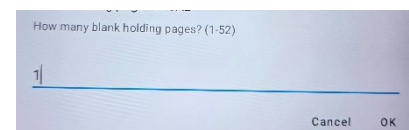
MRXP2 now supports SAL's. It all begins in the Load Process.

 All the pages in the SAL have to be added in the Configure PDF part of the Load Process. Typically, a SAL comes with pattern page and other pages are provided on a regular basis. You define the pattern to handle all the pages in the Configure PDF. Then, from the Markup page, you use the Project Settings to add the pattern for subsequent pages.

Loading the Project

The following describes the load process for the typical SAL described above.

1. On the Home Page (Dashboard), Under the Add New Project section, tap on Document.
2. Locate you document and start the Load Process.
3. Configure PDF (first screen of Load).
 - a. Complete the normal cleanup of deleting unnecessary pages, cloning pages, etc.
 - b. Tap on the "+" (plus sign) to the right of the pattern page that was provided and then tap on "Add a blank holding page for a SAL", and a popup will display asking you how many SAL pages you want to add. Type in a number and tap on OK. It will add that many page and label each of them "Holding Page for SAL".



- For example, I have a pattern that has a picture of the project, a key page (or pages), and one pattern page
 - The instructions for the SAL indicate that there will be 11 more pattern pages sent on a regular basis for a total of 12 pattern pages.
 - Tap on the plus sign by the first chart page and enter the number (in this case, 11).
 - It's important that the SAL holding pages follow the original pattern page and not be mixed in the key or anything else.
- c. Tap on Next to the Select Chart Pages screen. Remember you can't go back to the Configure PDF screen. If you realize you've made a mistake on that page, you need to start the Load Process over.
4. Select Chart Pages

Select all the pattern pages, including the SAL Holding Pages. So, in this example, you will select 12 pages.
 5. Continue through the Key and Picture selection pages.
 6. Set Chart Layout

MRXP2 will include all of chart pages, including the SAL Holding Pages. So, for this example, it will come up with a 3x4 layout.
 7. Review Grids Page

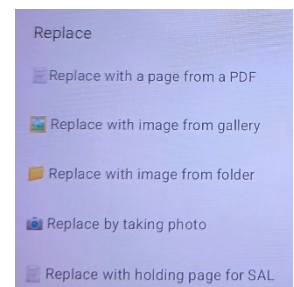
Make sure the grids on the one pattern page have been setup correctly. Make any adjustments that you need to, until the green check mark shows. Behind the scenes, MRXP2 will add grids to the SAL Holding Pages; so, you won't be adjusting any of those at this point. All 12 pages should show a green check mark.
 8. Overlap Pages

For a typical SAL, there won't be any overlap or you might not know what it is; so, just tap on next. If you do know there's an overlap, you can enter it here.
 9. Set Symbols/Erase View and Set Colors

Just follow the normal procedure for identifying symbols, threads, and viewing the Erase Screen. Don't worry about the SAL Holding Pages.
 10. Chart Preview – just review the pattern and settings as you normally would and continue on to the Markup screen.
 11. Markup Screen – just markup your stitches as you normally would.

Adding a SAL Page

1. You need to be on the Markup Screen.
2. Tap on the Settings Icon to open the Project Settings.
3. Tap on Markup Settings.
4. Scroll down to Project Tools
5. Tap on Replace Page
6. The Configure PDF screen will display, but it will only show the pattern pages.
7. Tap on "Tap the page to replace".
 - You can also replace picture and key pages by tapped the button that says Add Key/Picture Page in the bottom righthand corner.
 - MRXP2 will walk you through the step to do the replacement or add.
 - Added pages will be added as the last pages of the pattern.
8. A Popup screen display listing option for the type of pattern you want to use. As you can see from the list, you have quite a few choices, and the replacement pattern format doesn't have to be in the same format as the original page.
 - Tap on the selection for the replacement page.
 - Select the file to use
 - If you select a pdf, it will open it, and you can select the page you want to use for the replacement.
9. The selected page will be inserted where you indicated, and you will see it on the Configure PDF screen.



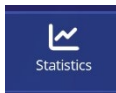
10. Tap on Done, and the Review Grids screen will display. You will see you all the pattern pages in your pdf, including the new replaced page. Make any adjustments that are necessary and tap on Next.
11. The Set Symbols Screen will display. There may be additional symbols that weren't included in the previous page(s). They can be added here.
12. The Set Colors Screen will display. Use this to verify that all your symbols and assigned colors are correct.
13. The Chart Preview will display for the final review. Tap on Next and go to the Markup screen.

You can only replace one page at a time

Other types of SALs:

- Some SALs will give you all the pages at the beginning so you can fill in a large border/grid. Then, they send out pieces that are added to the various pages. Those are supported by MRXP2.
- Some SALs don't provide all the symbol and key information at the beginning. As they send out new pages, you get new keys. Those new keys can be added in MRXP2.
- I saw one SAL that had the first two pages in one size, and the rest of the pages in completely different sizes. That is not supported. All the chart pages have to be the same size.

Statistics



There are multiple ways to view statistics:

1. From the Home (Dashboard) screen, tap on Statistics at the bottom of the page. This will allow you to view statistics for multiple patterns or just 1.
2. From the Home (Dashboard) screen, Current Project view, tap on the Statistics icon below the picture, and you will see the statistics for the current project only.
3. From the Home (Dashboard) screen, Other Projects view, tap on the Statistics icon for any of the patterns shown, you will see the statistics for that project only.

The Statistics Screen shows:

- The **Progress** (Marked Stitches, Parked Stitches, Stitches Remaining, Percent Complete, Total Stitches, and Total Time).
- The **Pace** (Average Stitches/Day, Average Time/Day, Estimated Days Remaining, Estimated Completion, and Active Stitching Days).
- **Today** shows the Current Date, Number Stitched Today, Time Spent Stitching Today, Daily Stitch Target, and Number to Reach Target).
- **Projections** shows Required Completion Date, Daily Stitches Required, Stitches a Day, and Estimated Completion Date.
- **Calendar**. This shows stitches done for each day and time spent.
- **Graphs**. There are two graphs. The first one shows a bar graph for the stitches marked for the selected month by day. The second one shows a bar graph for the active minutes for the selected month by day.
- **Raw graph data for Month, Year**. This has a list of active days and the stitches marked and minutes spent by day.

If you access the Statistics by the Home → Statistics Button, an image of all your projects will display. If project(s) are selected, they will have a checkmark on the image.

- You can tap on search and type in the name of a pattern. You don't have to have the full name. It will display the image. Tap on it too see the statistics.
- Tap on the "+" sign in the chipset to the right of the search bar and all patterns will be selected
- Tap on the "-" sign in the chip set to de-select all the patterns.

- Tap on the Sort Icon to control the sort/display of the patterns. If you change the display, you still need to tap the pictures to identify the ones to display statistics or, now, you can tap on the “+” sign to select all of the ones in the display.
- You can select multiple patterns and get cumulative statistics.

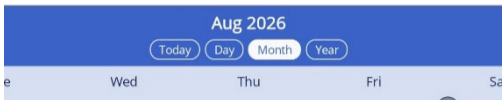
If you access the Statistics by the Home – Other Recent Projects – tap on statistics for one pattern, the statistics will display for just that pattern.

Daily, Monthly, Yearly Totals

Look below the Calendar, and you will see set which shows your totals. The of total is shown in the center. In this screenshot, it shows August, 2026 which indicates that month’s total. The total stitches are shown to the left total time is shown to the right.



type
and



Above the calendar, you will see options for controlling what totals show. Tap on Day for daily total, Month for monthly total, etc.

You can accumulate totals for multiple projects when you access Statistics from the Home page rather than while you are in the Markup screen where it only shows statistics for that pattern.

Project Pictures and Notes

When you access Statistics from the Markup Screen, you can add WIP pictures and notes.

Chipset



- **Statistics Page Icon:** Tap on this icon to view the project’s statistics.
- **WIP Icon:** Tap on this to see, or add pictures and progress notes. You will see an Insert Stats button at the bottom of the screen. Tap this to automatically add date and other progress statistics.
- **Notes Icon:** Tap on this to open a page where you can type in notes. When you tap on the screen, a keyboard will display. Type on Save button (upper right corner) to save your entries.

Tap on a date in the calendar to open its entry, or use the arrow key to browse through entries. Tap on the Pencil icon if you need to edit an entry.

Profiles

Subscription

Shows the status of your subscription and provides an opportunity to Refresh Purchases

Community

Gives you a chance to join the MRXP community. It shows the name that’s used to identify you. This is also the name used for the greeting on the Home/Dashboard page. You can edit the name here.

Feedback

Use this to provide suggestions, questions, issues, etc. after the version goes live.

Tutorials

Provides many different tutorials to help you learn the app itself and all the features that are new. There's no search feature associated with the tutorials. These are YouTube videos that can be accessed from [Markup R-XP - YouTube](#)

Here's a link to the MRXP2 tutorials. [Markup R-XP - YouTube](#)

I'm not going to attach the individual links in this document since you can find them when you follow the link. Also, as the developers create more and more videos, it would be impossible for me to keep a list here current, and it might be misleading.

Appendix

MRXP2 - Will It Run on My Device

MARKUP RXP UPDATE: WILL IT RUN ON MY DEVICE?

Here's a quick guide Jamie put together:

* **APPLE iPad & iPhone:** iOS/iPadOS 16 or newer: This includes iPhone 8 and iPhone SE (2020) onwards; iPad 5th generation, iPad mini 5 and iPad Air 3 onwards; and all iPad Pro models. Devices limited to iOS 15 cannot install the new app and the App Store won't offer the update, but your currently installed app will keep working. Older supported devices may be slower with very large charts.

* **ANDROID 8.0 or newer, 3 GB RAM minimum:** Older devices should run Markup with smaller charts, but large multi-page charts may be slower.

(PHONE OR TABLET: Markup RXP works on both. Phones are more portable but may require more zooming and panning. A tablet will give you the better stitching experience.)

APPLE Mac: Markup RXP can run on Apple Silicon Macs (M1 or newer). Early testing is going well, including two-finger trackpad zoom, but tablets and phones remain our main platforms.

ANDROID ChromeBooks: New to Markup RXP is Chromebook support through the Google Play Store. The Android requirements above apply. We've tested a touchscreen Chromebook, and it works well. We recommend a touchscreen model for now, as we haven't fully tested using only a mouse or trackpad.

FOLDABLES: Android fold and flip devices should work, but we're still testing their screen layouts. More news soon.

PC/WINDOWS: There's no Windows version planned. We haven't tested Android emulators such as BlueStacks, so can't guarantee how they will perform.

WHICH TABLET SHOULD I CHOOSE?

✅ **MINIMUM:** A supported iPad, or Android tablet with at least 3 GB RAM. Fine for smaller charts, but large charts may be slower.

★ **GREAT:** An iPad from 2019 or newer, or an Android tablet with at least 4 GB RAM. This should hopefully give most stitchers a good experience.

🌟 **EXCELLENT:** A current or recent iPad, or a recent Android tablet with at least 6 GB RAM and a 10-inch or larger screen. Recommended if you're buying specifically for stitching and want the best performance and room for the future. Hope this helps. Thanks, James.

We've had a few questions about which Amazon Fire tablets are suitable for running the new version of Markup R-X-P, so we wanted to clarify this.

The updated Markup R-X-P does quite a lot behind the scenes when displaying and processing charts, particularly larger PDF and multi-page projects. Because of this, it needs both enough memory and a sufficiently capable 64-bit processor to run reliably.

At present, the Fire tablets that meet these requirements are:

- Fire HD 8 (2024 / 12th Generation) – 3 GB or 4 GB version
- Fire HD 10 (2023 / 13th Generation)
- Fire Max 11 (2023 / 13th Generation)
- Fire HD 8 Plus (2022 / 12th Generation) – 3 GB version

Unfortunately, older Fire tablets – including the Fire HD 10 11th Generation – don't meet all of the requirements needed by the current version of the app.

We know some of these older tablets may still appear perfectly capable for everyday use, but the new Markup R-X-P places much heavier demands on a device than things like browsing, email or watching videos. Limiting support to suitable hardware helps us make sure the app remains stable and performs properly, particularly with larger charts.

Apple Mac

We've been looking more closely at running the updated Markup R-X-P on an Apple Mac, as we know some of you prefer to use the app this way.

To run Markup R-XP on a Mac, your Mac needs to use Apple Silicon, which means an M1 chip or newer.

With the original version of Markup R-XP, we recommended turning Touch Alternatives ON in the app settings, which you can access from the Markup R-XP menu on your Mac. This helped translate trackpad input into touchscreen style gestures for the app.

With the new update, we've improved Mac compatibility so that Markup R-XP can now handle input from the trackpad directly.

This means you can now pan, zoom and click using your Mac trackpad or an external Magic Trackpad.

There is just one important change:

👉 Touch Alternatives should now be turned OFF.

If you previously enabled it for the old version, please make sure you switch it off when using the new Markup R-XP.

Happy Mac Marking Up! 🍏 📱

Ian (The other guy!)