

PatternRename

User Manual & Technical Guide

1. Getting Started

PatternRename is a powerful web-based batch file renamer that uses pattern detection and smart-fill logic to rename images efficiently.

- **Step 1:** Click **▶ Load & Reset** to select a folder. The app requires permission to read and write files in that directory.
- **Step 2:** The app will automatically list all supported images (JPG, PNG, SVG) and display their timestamps.
- **Step 3:** Use the customizable columns to define your renaming rules.
- **Step 4:** Click **✎ Rename All Files** to apply changes.

2. Tool Bar Reference

Button	Function
Load & Reset	Selects a folder or refreshes the current one. Use Shift+Click to pick a new folder if one is already saved.
Insert / Delete Row	Inserts a blank slot or deletes the current row. Note: This shifts the editable "pattern" values without affecting the file list order.
Add Column	Adds a new naming component. The final filename is a concatenation of all columns.
Smart Fill All	Predicts and fills the rest of the column based on the pattern established in the first few rows.

Show All	Displays thumbnails for every image in the list for visual confirmation.
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3. Advanced Naming Patterns

PatternRename supports more than just plain text. You can use special syntax in any column:

A. Character Extraction (Positional)

Use square brackets to extract characters from the *Original Filename*.

- **[1-3]** : Extracts the first 3 characters.
- **[5,2,8]** : Extracts characters at positions 5, 2, and 8 in that specific order.
- **[10-7]** : Extracts characters 7 through 10 in reverse order.

B. Regular Expressions (RegExp)

Extract dynamic parts of a filename using patterns wrapped in forward slashes.

- **/_[0-9]+/** : Finds the first underscore followed by any number of digits.
- **/DSC_(.*)/** : Uses a "capture group" to take everything *after* "DSC_".

C. Folder Organization

If a column value contains a **/**, PatternRename will automatically create subfolders and move the file into them.

- Example: If Column 1 is **Holiday/** and Column 2 is **Photo**, the file becomes **Holiday/Photo.jpg**.
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4. Smart-Fill Logic

The **Smart Fill** feature detects various sequences. You must provide at least **two rows** to establish a pattern.

Pattern Type	Example Input (Row 1, Row 2)	Resulting Sequence
Alphanumeric	Part_01, Part_02	Part_03, Part_04...
Arithmetic	10, 20	30, 40, 50...
Alphabetic	A, B	C, D, E...
Repeating Blocks	A, A, B, B	C, C, D, D...

5. Shortcuts & Tips

- **Excel-style Navigation:** Press **Enter** to move focus to the cell below.
- **Bulk Operations:** Click and drag or use **Shift+Click** to select multiple cells.
- **Clipboard:** Supports **Ctrl+C** and **Ctrl+V** for copying data to/from Excel or other spreadsheets.
- **Clear Selection:** Press **Delete** while multiple cells are selected to clear them all at once.