

JUMBO BLOCK ENGINEERING SUITE

JUMBO BLOCK PDF Printer

User Manual · Version 1.2.0

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<https://jumboblock.org>

1. Overview and Purpose

The **JUMBO BLOCK® PDF Printer** is a browser-based, local tool designed for viewing, inspecting, and directly printing PDF documents via connected system printers. The application operates entirely within the web browser, guaranteeing maximum data privacy and security: no documents are uploaded or transmitted to external servers.

2. Key Features

- **Local Document Processing:** Open PDF files via file chooser or Drag & Drop directly inside the browser.
- **Interactive Preview:** Thumbnail sidebar, continuous zoom, width, and page fitting options.
- **Multi-Page Layouts (N-up):** Print 1, 2, or 4 pages per sheet.
- **Booklet Printing:** Automatic page reordering for folded and stapled booklets.
- **Quality Control:** Adjustable render resolutions (Draft, Good, High/Maximum).
- **Format & Orientation Options:** Full support for A4, A3, and Letter in Portrait or Landscape mode.
- **Keyboard Shortcuts & Gestures:** Fast navigation and zoom using hotkeys and mouse wheel.

3. Controls and Settings

Control Element	Function & Description
Open PDF	Triggers the local file selector or allows dropping PDF files into the viewer area.
Page Navigation	Buttons ◀ / ▶ and clickable thumbnails to select and jump to active pages.
Zoom Controls	Buttons +, −, 100%, "Width" (Fit to width), and "Page" (Fit full page). Ctrl + Mousewheel is supported.
Paper Size & Orientation	Select target paper size (A4, A3, Letter) and orientation (Portrait / Landscape).
Print Quality	• Draft: Fast rendering at reduced resolution. • Good: Standard rendering for everyday documents. • High: Maximum render quality for blueprints, images, and presentations.
Pages per Sheet (N-up)	Arranges 1, 2, or 4 PDF pages onto a single sheet of paper.
Print as Booklet	Enables booklet mode. Reorders pages automatically so that double-sided printing

Control Element	Function & Description
	and folding produce a finished booklet. Disables N-up selection.
Duplex Note	Provides guidance for double-sided printing (e.g., short-edge binding for booklets).

4. Keyboard Shortcuts

Shortcut	Action
Left Arrow / Right Arrow	Navigate to Previous / Next page
+ / = or -	Zoom in / Zoom out
Ctrl + Mouse Wheel	Smooth zoom inside viewer container
F	Fit page to width
0	Reset zoom to 100%
Ctrl + P	Trigger system print dialog directly

5. Technical Components & Legal Information

JUMBO BLOCK® PDF Printer utilizes the **PDF.js** library (Mozilla Foundation, Apache License 2.0). All proprietary code (HTML, CSS, JS logic) is copyrighted by ZANNI GROUP. "JUMBO BLOCK" is a registered trademark of ZANNI GROUP.