

JUMBO BLOCK ENGINEERING SUITE

Reader

User Manual · Version 1.0.4

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1. Overview

JUMBO BLOCK Reader is a local document and e-book reader within the JUMBO BLOCK Engineering Suite. It is designed for technical documentation and publications as well as general e-books. The application supports EPUB, PDF, Markdown, TXT, HTML/HTM, JSON and XML.

Reader runs entirely locally in the browser. Documents are not uploaded to a server, and no user account is required for document viewing. The application is designed for desktop, tablet and smartphone use and can be opened from the shared Engineering Suite menu.

The normal application follows the 1400 px layout of the Engineering Suite. For concentrated reading, a focus mode and – where supported by the browser – a true fullscreen mode are also available.

2. Supported File Formats

- EPUB (.epub): e-books with the actual EPUB table of contents, chapter and internal-link navigation, images, bookmarks and text highlights.
- PDF (.pdf): page-based display with page navigation, zoom and text search.
- Markdown (.md, .markdown): formatted reading view for headings, emphasis and basic Markdown structures.
- Text (.txt): continuous, scalable text view.
- HTML/HTM (.html, .htm): local HTML documents are shown in a sanitised reading view.
- JSON (.json) and XML (.xml): structured text display, particularly useful for technical data and exchange files.

3. Getting Started and the Last-Read File

Use “ Open” to open the operating system's file picker. Reader accepts the formats listed above. After loading, the filename appears in the header; status and reading progress are shown at the bottom.

Reader locally remembers the last opened file as well as document-specific settings and reading positions. On the next start, the application attempts to reopen the last-read file and continue at the saved position. Whether a browser can keep a local file available permanently depends on its local-storage and security rules.

For each document, Reader stores items such as reading position, font size or PDF zoom, reading width, bookmarks and highlights separately.

4. Navigation and Table of Contents

The ◀ and ▶ buttons move to the previous or next chapter in EPUB, and to the previous or next page in PDF. For text formats, they scroll by approximately one screen height.

Use ☰ to open the sidebar. For EPUB, “Contents” shows the table of contents embedded in the book. EPUB 3 Navigation Documents (nav.xhtml) and EPUB 2 NCX tables of contents are supported; nested chapters and subchapters are preserved. If no true table of contents exists, Reader attempts to use headings from the chapters and only then falls back to a simple chapter list.

Internal links inside an EPUB – for example from a table-of-contents page, footnotes or cross-references – are resolved within Reader. External web links are handled separately and may require an internet connection.

For PDF, the sidebar shows a page list. Clicking a page jumps directly to it.

5. Display, Focus and Fullscreen Modes

A– and A+ immediately change the font size for EPUB and text formats. The available range is 8 px to 72 px. For PDF, the same buttons change the zoom level.

The 720 / 900 / 1100 / 1400 selector defines the maximum reading width for text documents. This allows line length to be adapted to small displays, tablets or large monitors. The ◀ button switches between light and dark display.

⌘ activates focus mode. The header, Suite menu and status bar are hidden and Reader uses almost the entire browser area for the document. ⌘ requests the browser's true fullscreen mode. Browser tabs and the address bar may also disappear. ESC leaves focus mode or closes open Reader panels; the browser may additionally use ESC to leave its fullscreen mode.

6. Search

The search field searches the currently opened document. Start the search with ⌘ or the Enter key.

- PDF: Reader searches extractable text page by page and jumps to the first matching page.
- EPUB and text formats: search operates on the currently displayed chapter or document content and uses the browser search function to highlight a match.

Image-based or scanned PDFs without an embedded text layer cannot be searched like normal text PDFs. Reader does not perform OCR.

7. Bookmarks and Highlights

⌘ creates a bookmark at the current position. For PDF, the current page is stored; for EPUB, the chapter and relative reading position are stored. For text formats, the relative scroll position is stored.

Saved bookmarks appear under the “Bookmarks” tab and can be reopened by clicking them. Use × to remove an individual bookmark.

🖋 highlights previously selected text in EPUB and text views. Highlights are stored locally per document and restored when the relevant chapter is displayed again. They are listed in the sidebar with a text excerpt.

Where identical text occurs more than once, restoring a highlight may match the first corresponding occurrence. Highlights are therefore intended as a personal reading aid, not as revision-proof annotations.

8. Keyboard and Touch Controls

Reader can largely be operated without a mouse. Keyboard commands apply while focus is not currently inside an input field.

- ← / Page Up: back; → / Page Down / Space: forward.

- Home: jump to the beginning; End: jump to the end of the document or the final EPUB chapter/PDF page.
- + / -: increase/decrease font size or PDF zoom.
- F2: open file · F3: focus search · F4: open/close sidebar · F9: add bookmark · F10: focus mode · F11: fullscreen.
- ESC: close focus mode and the mobile sidebar. Function keys may already be reserved by the browser or operating system.

On touch devices, horizontal swipe navigation is available: a clear swipe to the left moves forward, and a swipe to the right moves back. The interface adapts to narrow screens; the sidebar becomes an overlay panel.

9. Language (German/English)

German and English are switched through the shared global menu of the JUMBO BLOCK Engineering Suite. Reader applies the selected language to labels, tooltips, status messages, search, page labels and the Reader interface. The content of the opened document itself is not translated.

10. Local Storage and Privacy

Reader is offline-first. Document processing takes place locally on the device. Reading positions, display settings, bookmarks and highlights are stored in local browser storage; where permitted by the browser, the last opened file is retained locally through IndexedDB for reopening.

Reader itself does not upload document content to a server. Clearing browser data, site data or local storage may remove saved reading positions, bookmarks, highlights and the last-read file.

11. Limitations, Notes and Best Practices

- EPUB quality: display and navigation also depend on the structure of the EPUB itself. Invalid or unusually constructed e-books may cause limitations.
- PDF text search: works only when the PDF contains an extractable text layer; no OCR is performed.
- External links: web links in EPUB/HTML may require an internet connection and are opened outside the local document content.
- Fullscreen: browser Fullscreen API support varies by browser and mobile device. Reader's focus mode works independently of it.
- Local storage: clearing browser data or using private sessions may delete Reader data or prevent persistent storage.
- Very large documents: extensive PDFs, EPUBs or embedded images may take longer to load depending on the device and available memory.

12. Quick Reference: Icons and Keys

Icon / Button	Meaning
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 Open / F2	Select and open a local document
 / F4	Show/hide contents and bookmarks/highlights
	Previous/next page or previous/next chapter
 / F9	Add a bookmark at the current position
	Highlight selected text
A- / A+ or - / +	Decrease/increase font size or PDF zoom
720–1400	Maximum reading width for text views
	Switch light/dark display
 / F10	Toggle focus mode
 / F11	Request/leave browser fullscreen where supported
 / F3	Start search or focus the search field
← / → · Page Up / Page Down	Navigate back/forward
Home / End	Jump to the beginning/end
ESC	Close focus mode/sidebar; may also leave browser fullscreen