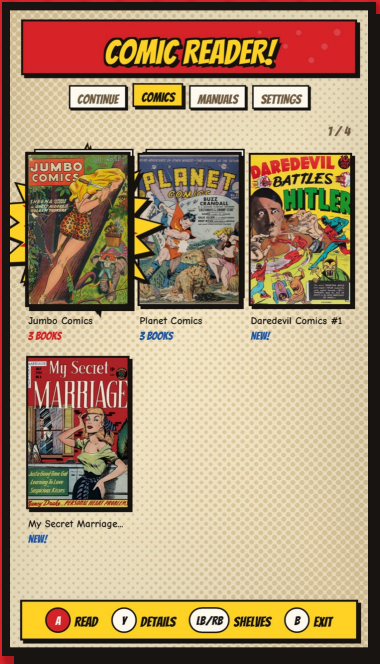


# THE GUIDE!

Comics and manuals on your cabinet. Pages on the playfield, the cover on the backglass, where you are on the DMD.



## PLAYFIELD

Your library, then the pages.



## BACKGLASS

The book's cover.



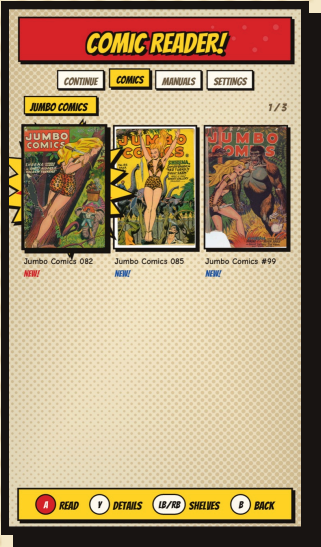
## DMD

The title and the page you're on.

# CONTROLS

| BUTTON   | IN THE LIBRARY              | WHILE READING                             |
|----------|-----------------------------|-------------------------------------------|
| FLIPPERS | Previous or next shelf      | Previous or next page. Hold to flip fast. |
| JOYSTICK | Move between books          | Turn the page; zoomed in, move around it  |
| A        | Open the book or series     | Next page                                 |
| START    | Open                        | Zoom: 2x, 3x, then the whole page         |
| Y        | The book's details          | Zoom                                      |
| X        | (on the details) Look it up | Previous page                             |
| B        | Back, or exit the app       | The whole page, or back to the library    |

# SHELVES



**Continue** lists the books you're partway through. A book always opens on the page where you stopped.

**Comics** and **Manuals** hold your books. A folder of books is a series: it shows as a stack, and opens to its issues.

**Settings** has Wi-Fi upload, updates and how pages turn (page 5).

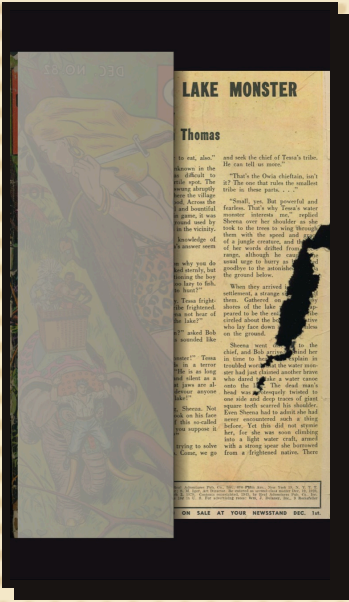
Under each cover: **NEW!**, the page you're on, or **FINISHED!**

# TURN, ZOOM, READ



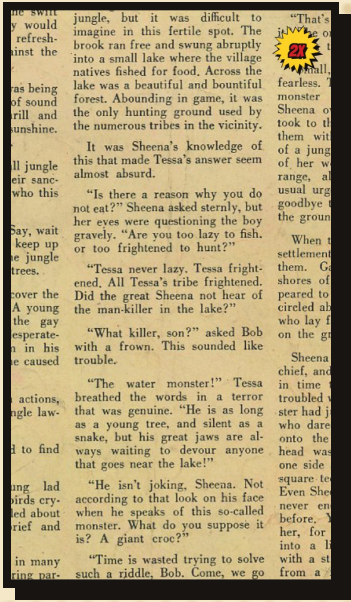
### THE PAGE

As big as the screen: 2160 pixels wide on a 4KP. The title and page number show as it opens.



### PAGE TURN

The page curls over. Settings can make it a slide, or none.



### ZOOM

Start: 2x, 3x, back. The joystick moves around; the text sharpens when you stop.

Next pages are ready before you get there: the app draws ahead while you read, so turning is instant. A scanned PDF takes longest, about a second a page.

**Manga:** Settings > Reading direction > Right to left swaps the flippers, so the left one turns forward. A book marked as manga in its ComicInfo.xml reads that way by itself.

**B** while zoomed shows the whole page again; **B** on the whole page goes back to the library. Your place is saved.

## WHAT'S THIS BOOK?

# DETAILS



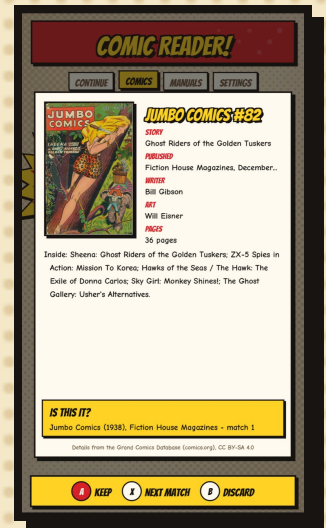
Press **Y** on a book in the library: its cover, series and issue, the story, who published it and when, the writer and artist, a summary, and how far in you are.

The details come from a [ComicInfo.xml](#) file inside the comic, the tag file most comic tools write. A book with one shows as "Daredevil Comics #1" in the library and on the DMD, not by its file name.

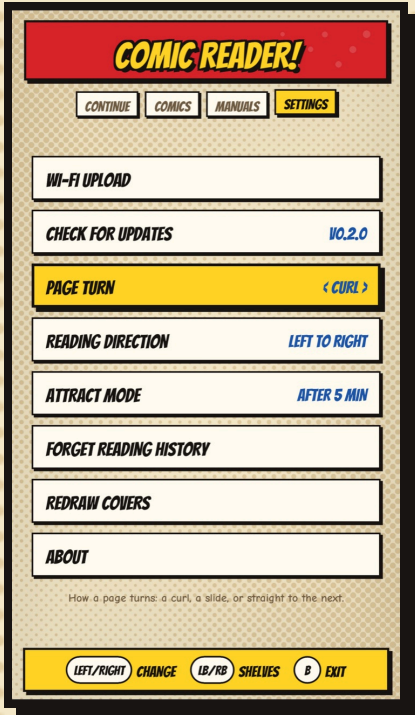
## NO COMICINFO?

# LOOK IT UP

1. On the details, press X. The series and issue number are read from the name: `Jumbo_Comics_082.cbr` is Jumbo Comics #82.
2. It's looked up in the Grand Comics Database ([comics.org](#)), which knows the story, date, credits and what's inside.
3. "Is this it?" A keeps it, X tries another series with that number, B drops it. Kept details stay in the app; your file isn't changed.



The cabinet needs the internet for this. [comics.org](#) allows a few dozen lookups an hour for each home; if it asks you to wait, it says for how long. Details: Grand Comics Database, CC BY-SA 4.0.



**Wi-Fi upload:** send books from a phone or computer (next page).

**Check for updates:** gets the newest version from GitHub and restarts into it. Your books, places and settings stay.

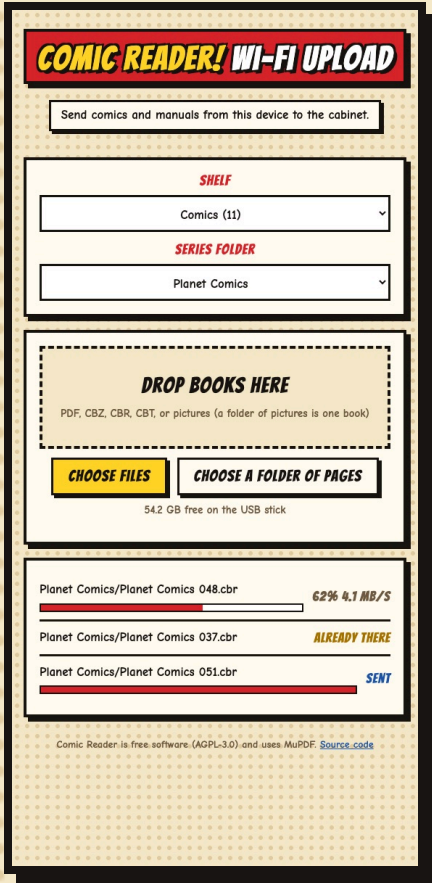
**Page turn:** Curl, Slide or None. **Reading direction:** Left to right, or Right to left for manga. Change them with the joystick.

**Attract mode:** left alone in the library for 5 minutes (or 10, or never), a random comic reads itself, a page every 10 seconds. Any button stops it; it doesn't count as reading, so Continue stays as it was.

**Forget reading history:** clears Continue and every book's place. **Redraw covers:** draws every cover again.

**About:** the version, the license and who made what.

# WI-FI UPLOAD



1. In Settings, open Wi-Fi upload. The cabinet shows an address and a PIN.
2. On a phone or computer on the same network, open the address and enter the PIN.
3. Pick Comics or Manuals, and a series (or make a new one).
4. Drop in files, or a folder of page pictures. B on the cabinet when they're sent.

## OR ON THE USB STICK

Put books in `external/comic-reader/comics/` or `manuals/`. A folder of books makes a series: `comics/Planet Comics/Planet Comics 037.cbr`

## WHAT IT OPENS

PDF, CBZ, CBR and CBT comics, single pictures (JPG, PNG, WebP, GIF, BMP, TIFF), and a folder of pictures as one book, its pages in name order.

**Which cabinets does it work on?** It's made for the AtGames Legends Pinball 4KP and HDP: pages on the playfield, the cover on the backglass, the page number on the DMD. It works out which screen is which on each model by itself. Other Legends models haven't been tried. It was designed to be used with the AtGames Legends Arcade Control Panel (its joystick and A, B, X, Y and Start buttons, with the cabinet's flippers); it may work without one, but that hasn't been tested.

**What files can it open?** PDF, CBZ, CBR (RAR) and CBT comics, single pictures (JPG, PNG, WebP, GIF, BMP, TIFF), and a folder of pictures as one book, its pages in name order. It can't open CB7, EPUB, or comics locked to a store's app (DRM).

**Wi-Fi upload won't open on my phone.** Check the phone or computer is on the same network as the cabinet, not a guest network or mobile data: some routers' guest networks keep devices from seeing each other. Type the address exactly as shown, including the `:8080` part. A FAT32 stick can't take a single file over 4 GB.

**Why is the first page of some books slow?** Scanned PDFs are the slowest kind, about a second a page on a 4KP; CBZ and CBR pages take about a quarter of a second. While you read, the next pages are drawn ahead, so turning is quick after the first.

**My book shows its file name, not its title.** Titles and details come from a ComicInfo.xml file inside the comic. A book without one is named after its file: press Y for its details, then X to look it up in the Grand Comics Database. Keep the match with A, or try the next with X.

**How do I update?** Settings > Check for updates downloads the newest release and restarts into it. Coming from 0.1.0, which had no updater, copy 0.2.0 over by hand once.

**Will updating or reinstalling lose my books or places?** No. Updates replace only the app, its licenses and the guide; your books, reading places and settings are left alone. Places live in `data/progress.txt` on the stick; Settings > Forget reading history clears them.

**A comic started reading itself.** That's attract mode: after 5 minutes untouched in the library, random comics read themselves. Press any button to stop it. It doesn't count as reading. Settings > Attract mode sets 5 or 10 minutes, or off.

**Something went wrong.** The app keeps a log at `external/comic-reader/data/comic-reader.log` on the stick, including a note if it crashes. Open an issue on [GitHub](#) with the log and what you were doing.