Installation

For installation instructions, see README.

Settings / Configuration

After installing rM Hacks, tap - Menu - Settings -   rM Hacks

This displays the rM Hacks Configuration page.

See Settings / Configuration for more details.

Features Overview

Below is a brief listing of features.

See Features Overview for more details.

Toolbar additions

- Clock display
- Battery and WiFi indicators
- Current page / Page count display and button
- Bookmarks button to toggle bookmark and show navigation grid
- Table of Contents button
- Brush / Tool icon (when toolbar is closed)

Navigation

- Bookmarks navigation grid
- Compressed List option for document lists
- Tags are alphabetized on Menu   Tags display
- Swipe two fingers up from the bottom of the page to cycle between two recent documents.
- Tap the current page/page count numbers to open fast page scroll.

Writing

Gestures for writing

- Swipe one finger down in the body of the page to open/close toolbar.
- Swipe one finger down in the top left corner (right-handed)/right corner (left-handed) to switch between the last two tools.
- Swipe one finger up in the top left corner (right-handed)/right corner (left-handed) to switch between the writing tool and eraser.

- Swipe one finger down in the top right corner (right-handed)/left corner (left-handed) to swap the last two pen thicknesses (strokes).
- Swipe one finger up in the top right corner (right-handed)/left corner (left-handed) to swap the last two colors.
- Five-finger tap triggers screen refresh

Sleep mode

- Enable sleep mode by swiping up from the top of the screen (light or deep sleep selectable in Settings/Security).
- Display `...zzZ` in the top right corner during light sleep mode instead of a big black banner.

Bookmarks for writing

- Tap in the top corner opposite the toolbar to toggle a bookmark for the current page.
- Long press in the top corner opposite the toolbar to create a named bookmark or to change the name of an existing one.
- New toolbar bookmarks button showing all bookmarks in the currently open document.
- Long press the bookmarks toolbar button to toggle a bookmark for the current page.
- Long press the bookmark grid item from the bookmarks menu to rename the bookmark.

Settings

Settings / Configurations menus under

- Menu
- Settings
- rM Hacks

Document-level toggle buttons (accessible through the *Share and Convert* menu):

- Enable/disable WiFi Connection
- Enable/disable All Gestures
- Enable/disable rM1 Buttons (rM1 only)
- Enable/disable Automatic Updates
- Show/hide clock display
- Show/hide Battery/WiFi Levels display
- Enable/disable Straight Lines

Miscellaneous

- New notebook name defaults to the current date and time (format: `yyyy-mm-dd_hhmmss`).

Features Deep Dive

Gestures

Gestures include - Open / close toolbar - Swap the last two tools - Swap last tool with eraser - Swap the last two pen thicknesses (strokes) - Swap the last two colors - Open previous document - Full screen refresh - Sleep mode

See Gestures for more details.

Strokes

rM Hacks adds additional stroke sizes (line thicknesses).

- five additional sizes for writing tools
- three additional sizes for the eraser

See Strokes for more details.

Bookmarks

With Bookmarks enabled, any page can be bookmarked and each bookmark can have short text to describe it.

On any page, tapping the bookmarks toolbar icon will show the bookmarks navigation grid where you can jump to any bookmark.

See Bookmarks for more details.

Pen Button Actions

See Pen Button Actions for more details.

Document-level Settings

This feature allows you to toggle some settings without leaving a document.

- WiFi Connection
- All Gestures
- rM1 Buttons (rM1 only)
- Automatic Updates
- Clock
- Battery/WiFi Levels
- Straight Lines

See Document-level Settings for more details.

rM Hacks Documentation Settings / Configuration

After installing rM Hacks (see README), tap *   Menu *   Settings *   rM Hacks

to open the rM Hacks Configuration page.

This page has entry points for * General Settings * Gesture Configuration * Bookmarks Configuration

General Settings

Show current brush icon   When this setting is off and the toolbar is hidden, it will display the usual icon.

When this setting is on and the toolbar is hidden, a different icon displays.

In the upper left is an indicator of the stroke thickness (where applicable), the upper right shows the color (where applicable), and the bottom center shows the tool selected.

Hide document close button   When this setting is off and the toolbar is not hidden, the close button will appear like normal.

When this setting is on, the close button will not appear, but it is still possible to close the document by swiping one finger down from the top.
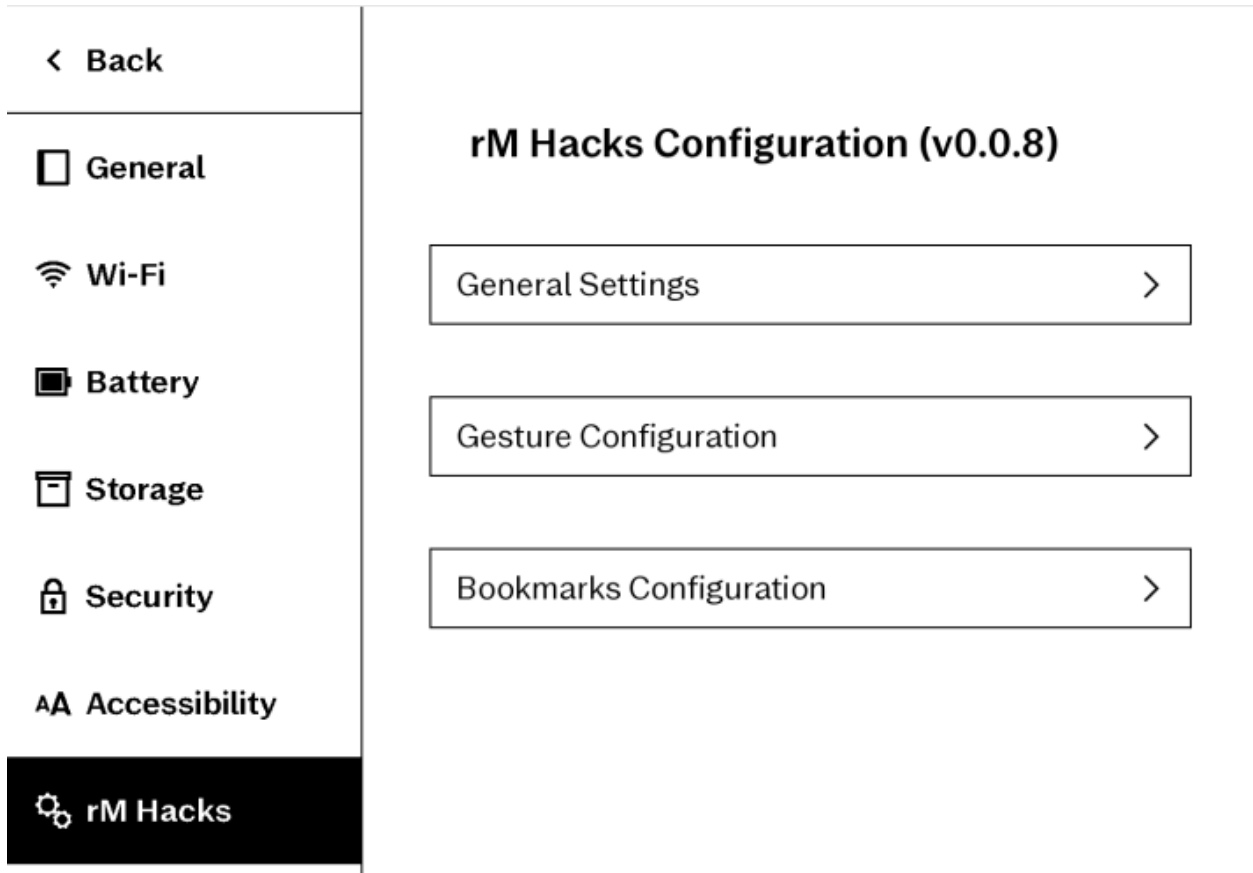
Figure 1: rM Hacks Configuration page

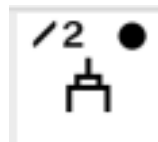Figure 2: Hidden toolbar default icon

Figure 3: Hidden toolbar current brush icon

Figure 4: Document close button

Figure 5: New notebook default name

Set new notebook name as current date   When this setting is off, new notebooks are assigned default names like "Notebook", "Notebook 1", etc.

When this setting is on, new notebooks are named with the current date in the format `yyyy-mm-dd_hhmmss`.

Figure 6: New notebook name as current date

More stroke sizes   When this setting is off, the default writing tool stroke sizes are available (Thin, Medium, Thick).

When this setting is on, more stroke sizes are available (Thinner (0.5), Thin (1), Medium Thin (1.5), Medium (2), Thick (3), Thicker (5), Even Thicker (8), Thickest (13)).

Document-level toggle buttons   When this setting is off, the default document share options are available.

When this setting is on, more options are available in this menu, allowing you to change some settings without exiting the document.

Page number and total pages count button   When this setting is on, the current page number and total page count is shown in the toolbar. In addition, tapping these numbers will open the fast page scroll feature (which normally is available by swiping one finger up from the bottom of the page).

Table of contents button   When this setting is on, if a document has a table of contents, a table-of-contents toolbar button displays.

Replace the sleep-mode black banner with '…zzZ'   When this setting is off, the default black sleep-mode banner displays during light sleep.

When this setting is on, light sleep will display a smaller '…zzZ' symbol.

Hide page numbers   When this setting is off, the tablet will display page numbers at the bottom as you swipe from page to page. When this setting is on, those numbers will not display.
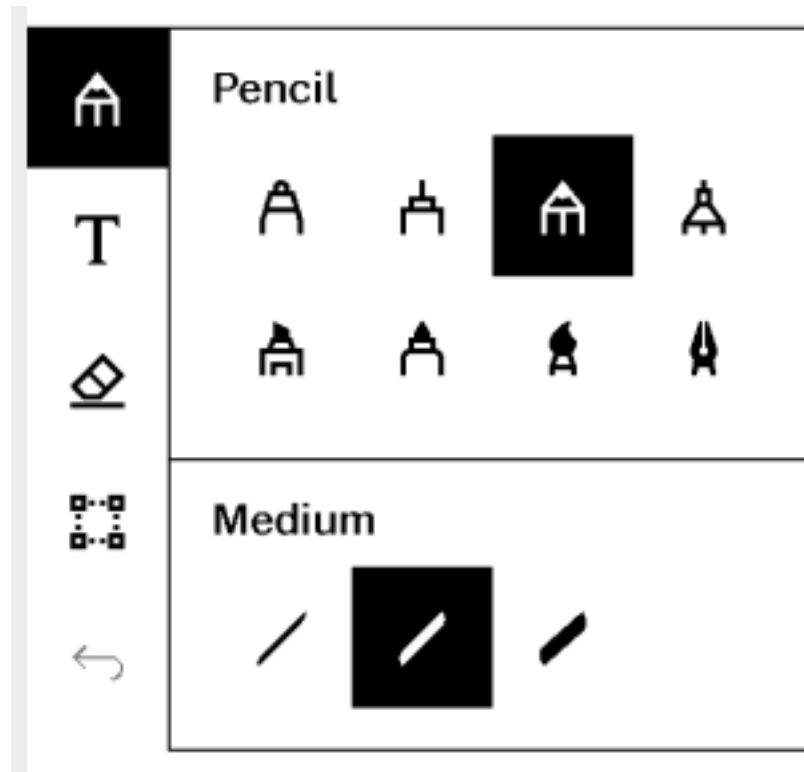
Figure 7: Default stroke sizes

Compressed files list   When this setting is on, an additional Compressed List menu option is available to display a more compressed files list.

Alphabetize tags filter list   When this setting is off, the default tag order (newest first?) displays in the Menu   Tags filter list.

When this setting is on, the tags display in alphabetical order.

Gesture Configuration

Gesture to toggle toolbar   Swipe one finger down to open or close the toolbar.

Gesture to swap last two tools   Swipe one finger down in the corner closest to the toolbar to switch between the last two tools.

Gesture to swap last tool with eraser   Swipe one finger up in the corner closest to the toolbar to switch to the eraser and back.

Gesture to swap the last two pen strokes   Swipe one finger down in the corner opposite the toolbar to switch between the last two pen strokes.

Gesture to swap the last two colors   Swipe one finger up in the corner opposite the toolbar to switch between the last two colors.

Gesture to open previous document   Swipe two fingers up from the bottom of the page to open previously edited document.
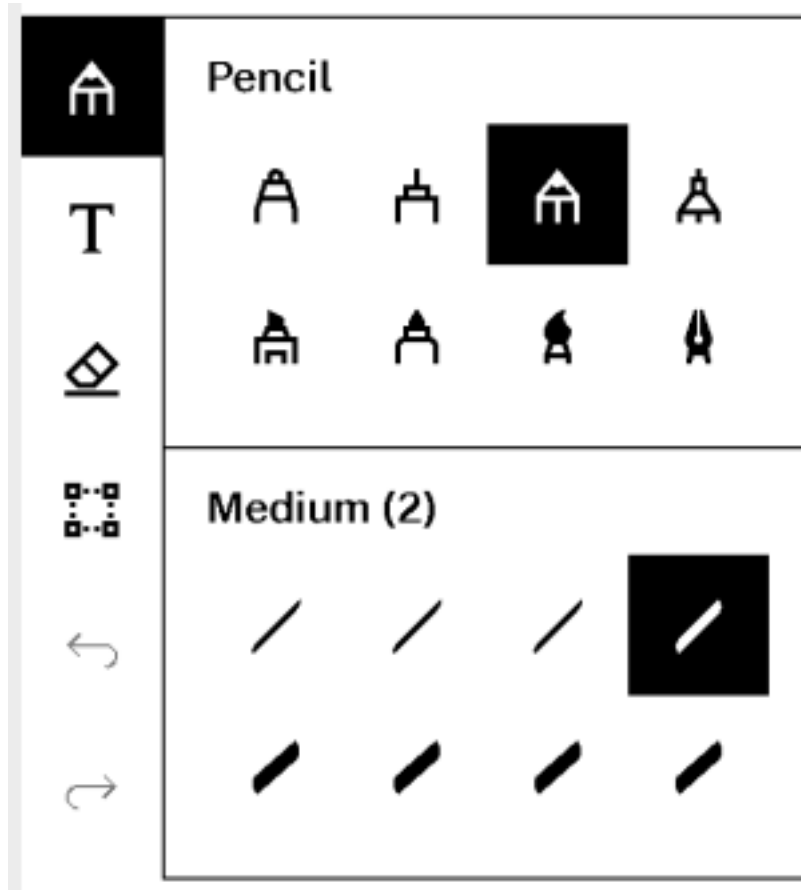
Figure 8: More stroke sizes
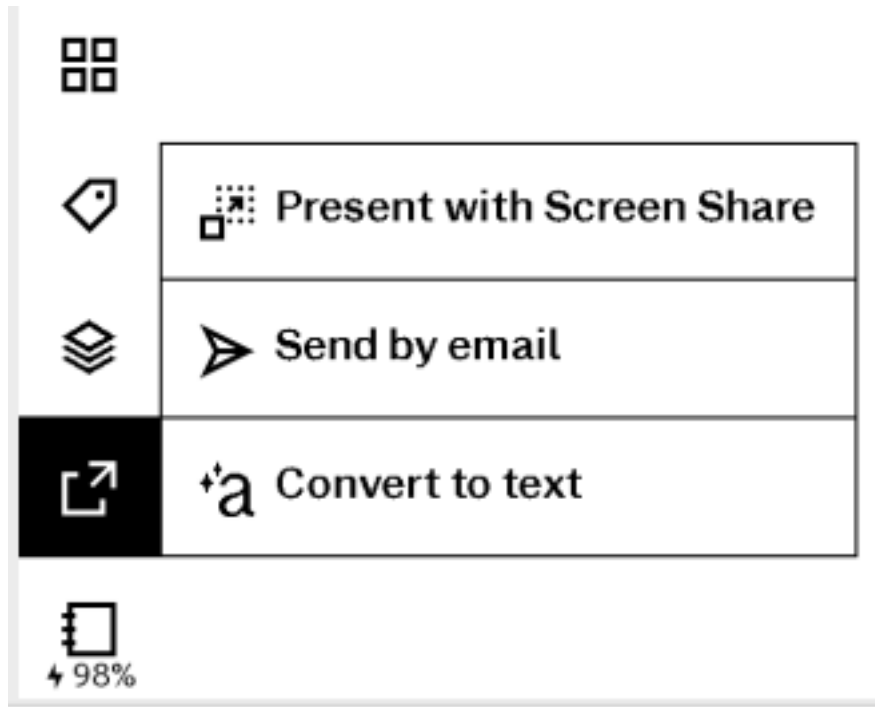
Figure 9: Default share options

Gesture to put the device into light sleep mode   Swipe on finger up from the top of the page to enable light sleep mode.

Turn on light sleep mode from the Menu   Settings   Security page. If light sleep is not turned on, this gesture will put the device into normal sleep mode.

Gesture to force screen refresh   Tap with all five fingers to trigger a whole screen refresh.

Bookmarks Configuration

Bookmarks   This setting enables bookmarks feature for documents.

Bookmarks corner tap   Bookmark the current page by tapping in the corner opposite the toolbar, just inside the document close button , if displayed.

First page bookmark   This setting adds 'First Page' to the bookmarks grid.

Last page bookmark   This setting adds 'Last Page' to the bookmarks grid.

rM Hacks Documentation Features Overview

Toolbar additions

- Clock (*HH*:*MM*) displays at the top of the toolbar
- Battery level and WiFi signal strength indicators display at the bottom of the toolbar.
- Current page and page count (n/n) display near the middle of the toolbar. Tapping these numbers opens fast page scroll.
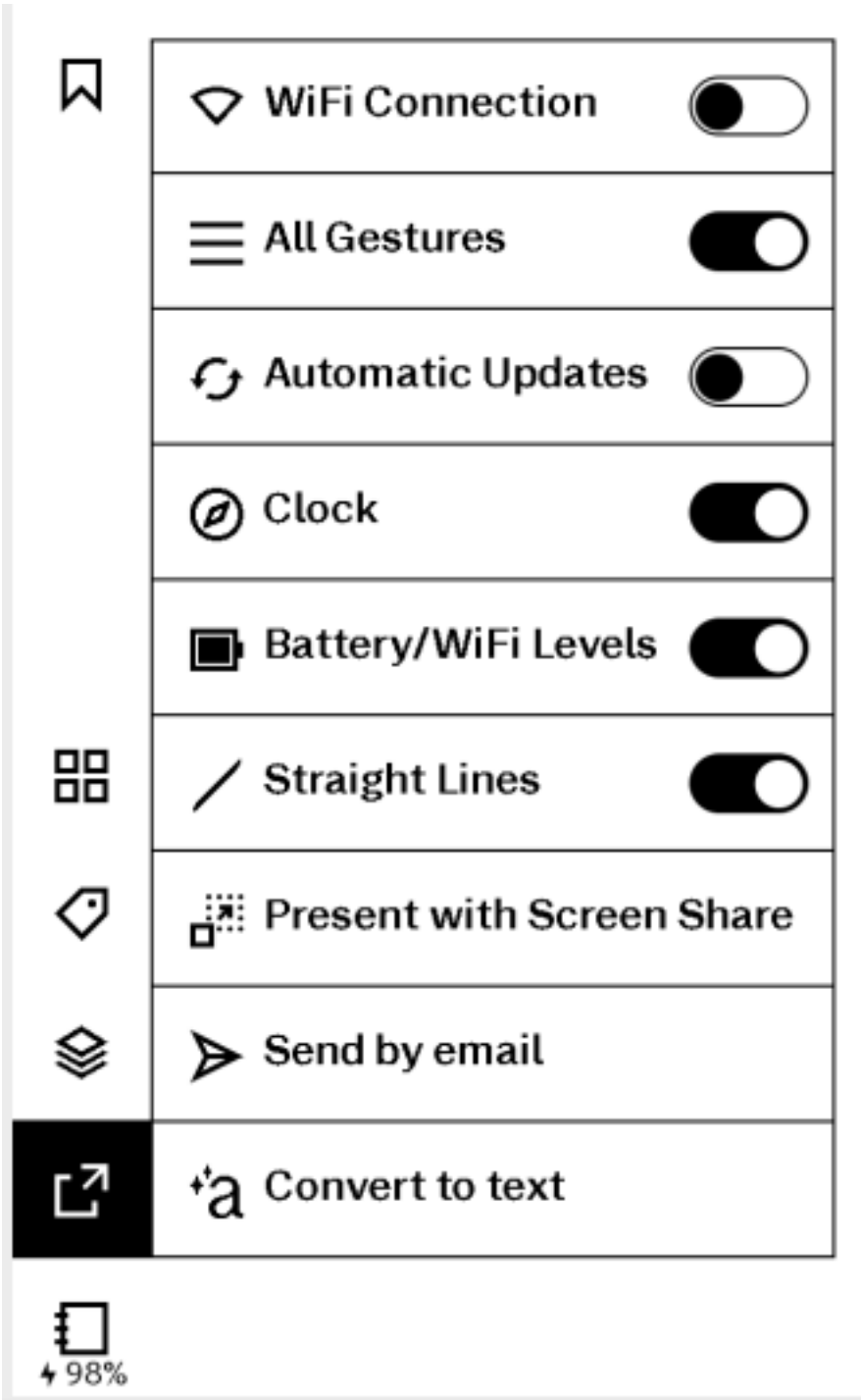
Figure 10: Document level toggle buttons

Figure 11: Page number and total pages count button

Figure 12: Table of contents button
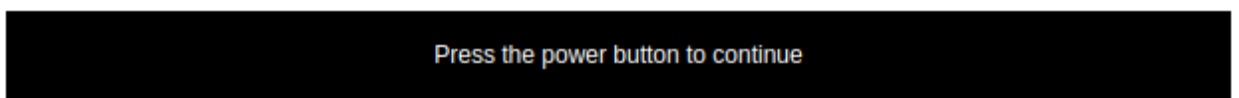
Figure 13: Default sleep mode banner

Figure 14: Replaced sleep-mode banner with ...zzZ

Figure 15: Hide page number

Figure 16: Compressed files list

Figure 17: Default tags filter list

Figure 18: Alphabetized tags filter list

Figure 19: Gesture to toggle toolbar

Figure 20: Gesture to swap last two tools

Figure 21: Gesture to swap tool with eraser
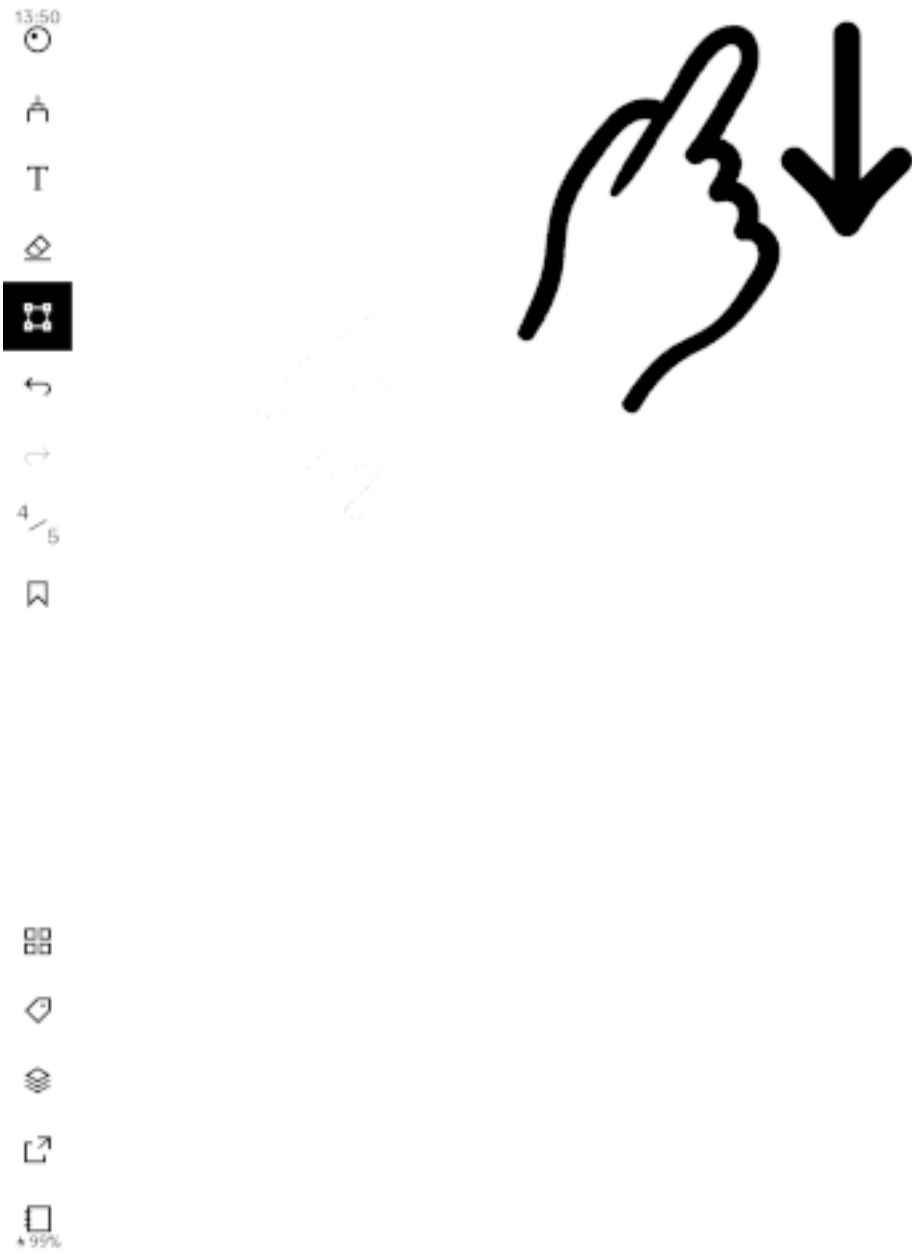
Figure 22: Gesture to swap the last two pen strokes

Figure 23: Gesture to swap the last two colors

Figure 24: Gesture to open previous document
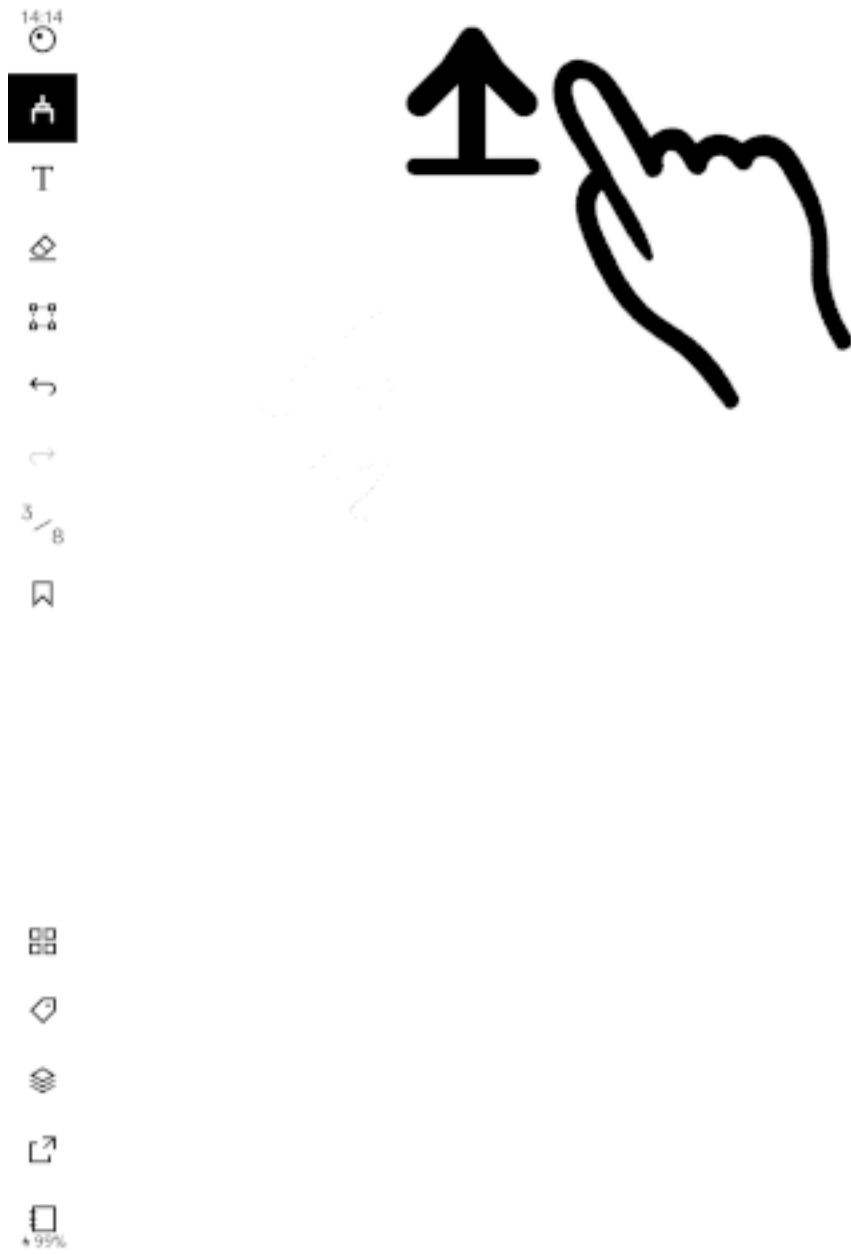
Figure 25: Gesture to put the device into light sleep mode

Figure 26: Gesture to force screen refresh
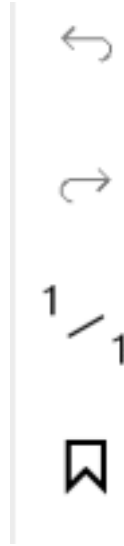
Figure 27: Bookmarks tool
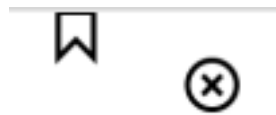
Figure 28: Bookmark the current page

Figure 29: First Page bookmark entry
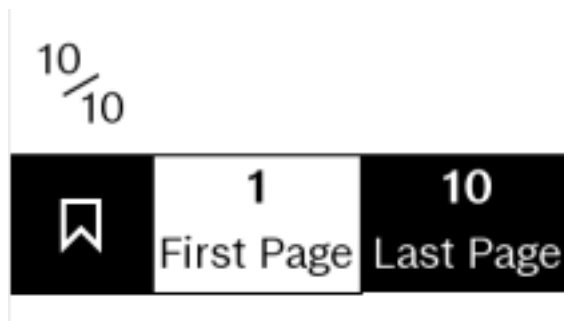
Figure 30: Last Page bookmark entry

Figure 31: Clock display in toolbar
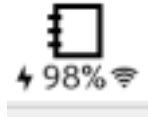
Figure 32: Battery / WiFi display in toolbar

- Bookmarks button to toggle bookmark and show navigation grid displays near the middle of the toolbar.

- Short tap on this button opens/closes the bookmarks navigation grid.

- Long press toggles a bookmark for the current page.

- When a document has a table of contents, a button for it appears in the toolbar above the page overview button.

- When the toolbar is closed a brush/tool icon displays instead of the default open/close icon.

Navigation

- Short tap on the bookmarks button opens/closes the bookmarks navigation grid.

- Compressed List option for document lists

- Tags are alphabetized on Menu Tags display

- Swipe two fingers up from the bottom of the page to cycle between two recent documents.

- Tap the current page/page count numbers to open fast page scroll.

Writing

Gestures

- Swipe one finger down in the body of the page to open/close toolbar.

- Swipe one finger down in the top left corner (right-handed)/right corner (left-handed) to switch between the last two tools.

- Swipe one finger up in the top left corner (right-handed)/right corner (left-handed) to switch between the writing tool and eraser.
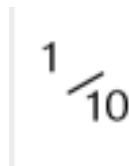
Figure 33: Current page / Page count display / button in toolbar

Figure 34: Bookmarks button in toolbar

Figure 35: Bookmarks navigation grid

Figure 36: Bookmark icon toggled on for current page

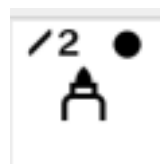Figure 37: Table of Content button in toolbar

Figure 38: Brush / tool icon in closed toolbar
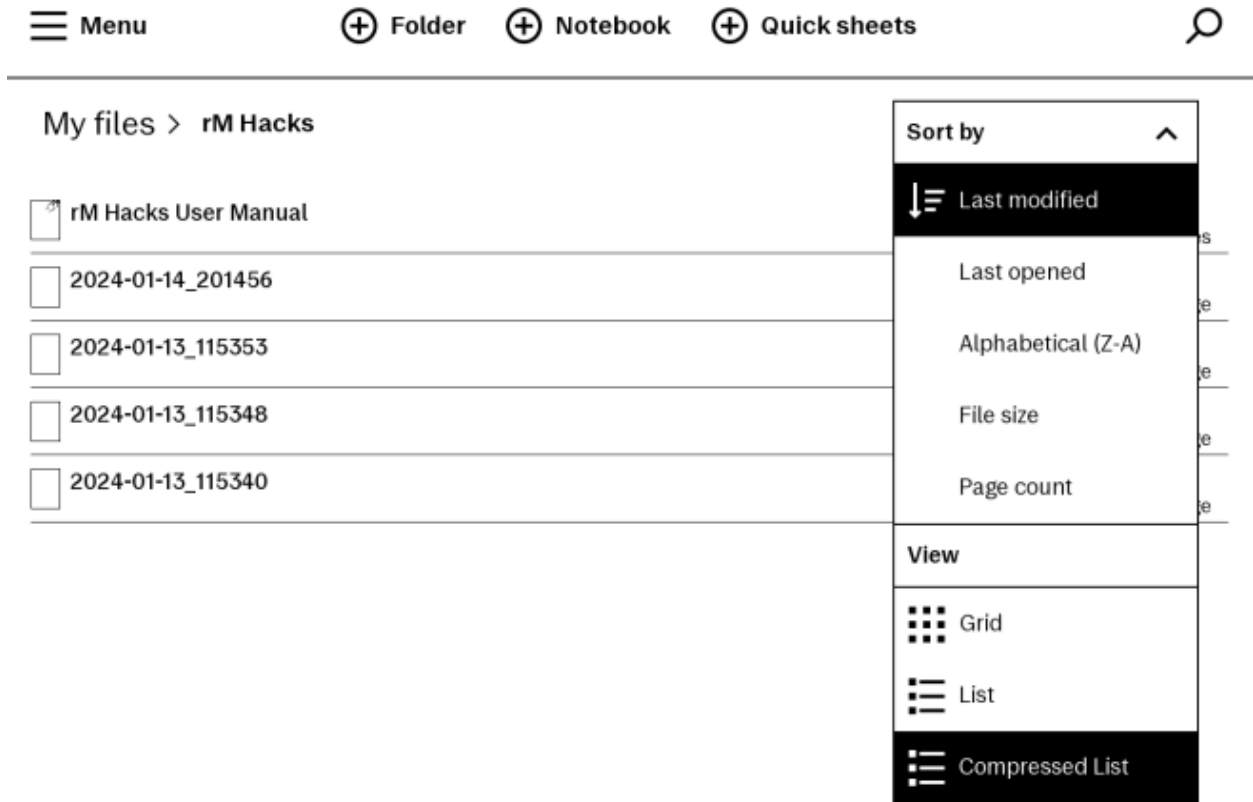

Figure 39: Bookmarks navigation grid

Figure 40: Compressed List option for document lists
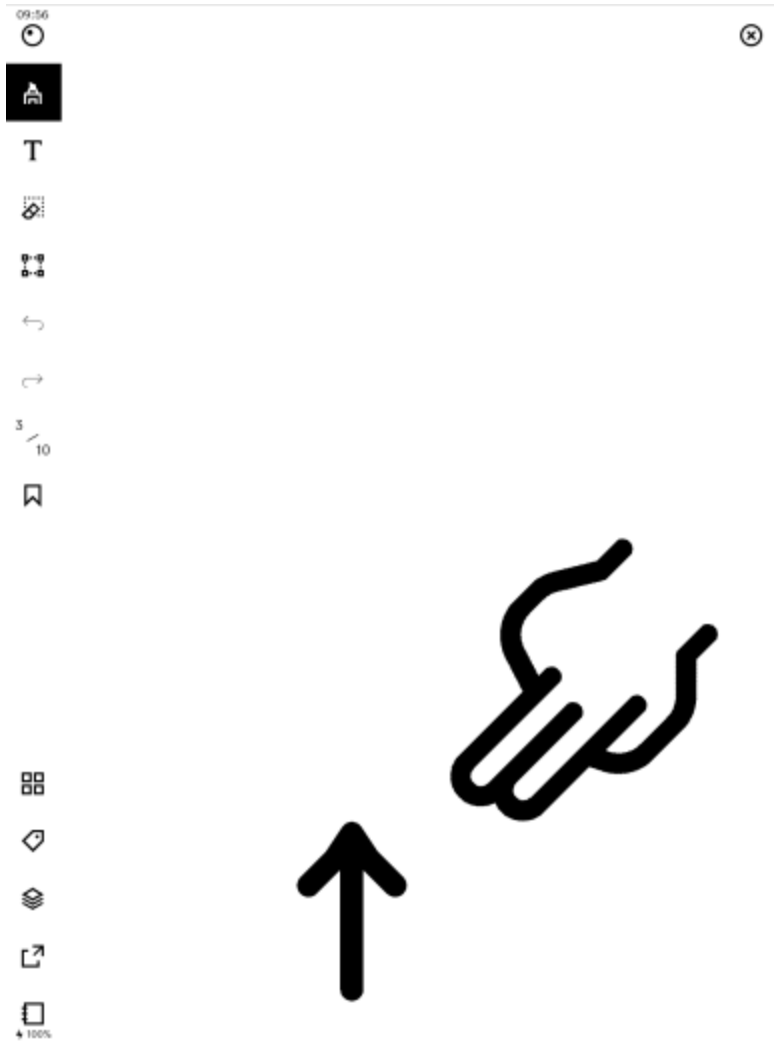

Figure 41: Tags are alphabetized

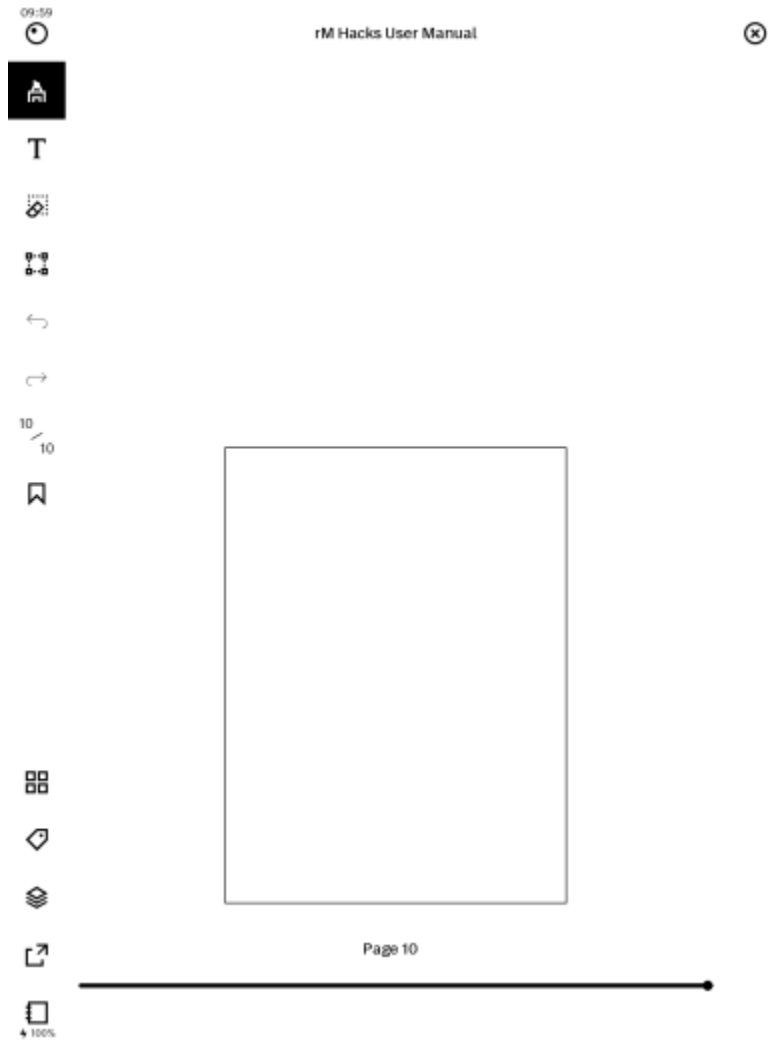Figure 42: Swipe two fingers up from the bottom

Page 10

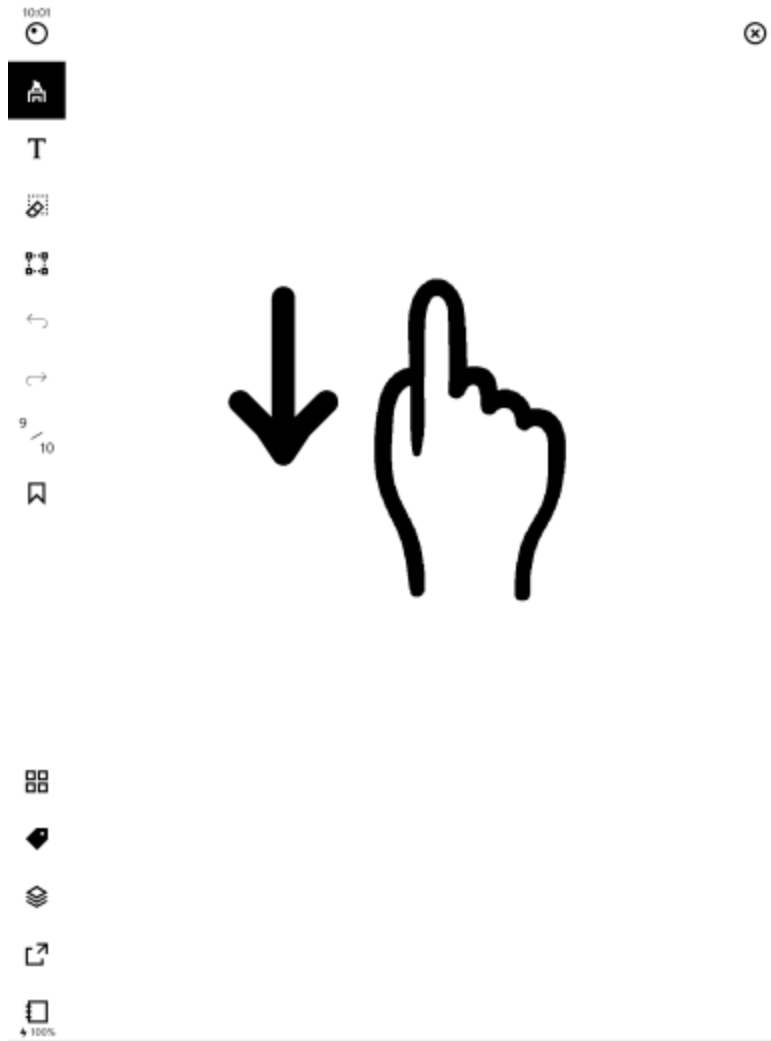Figure 43: Tap current page/page count for fast page scroll

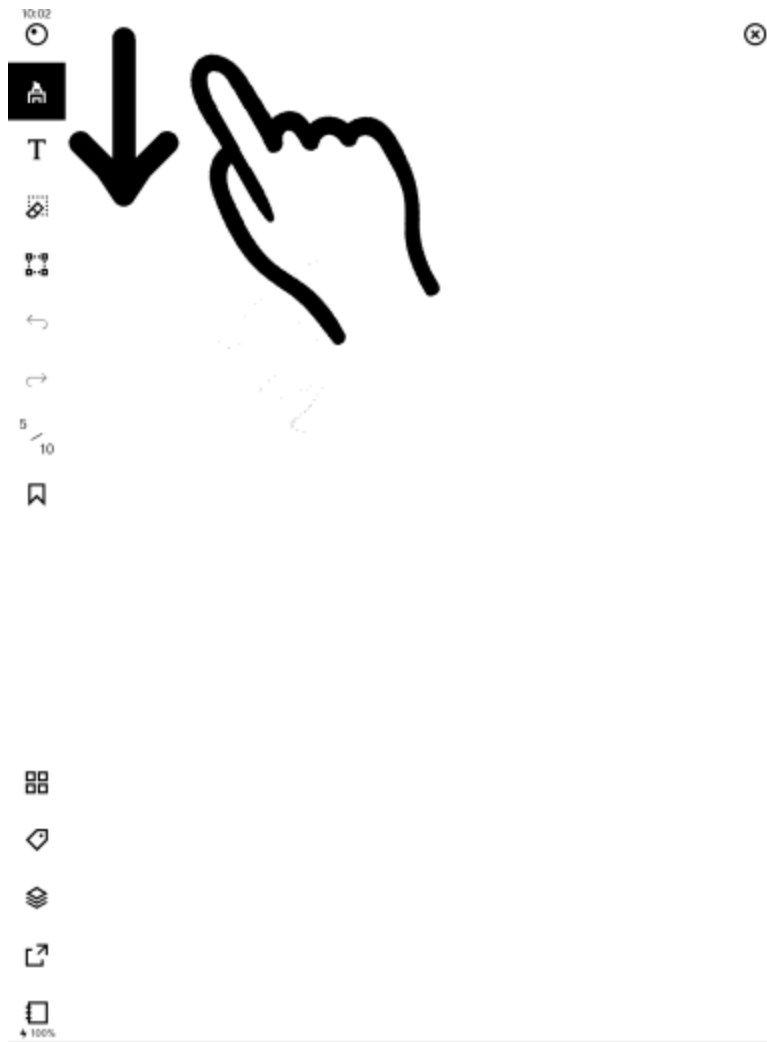Figure 44: Swipe one finger down in the page

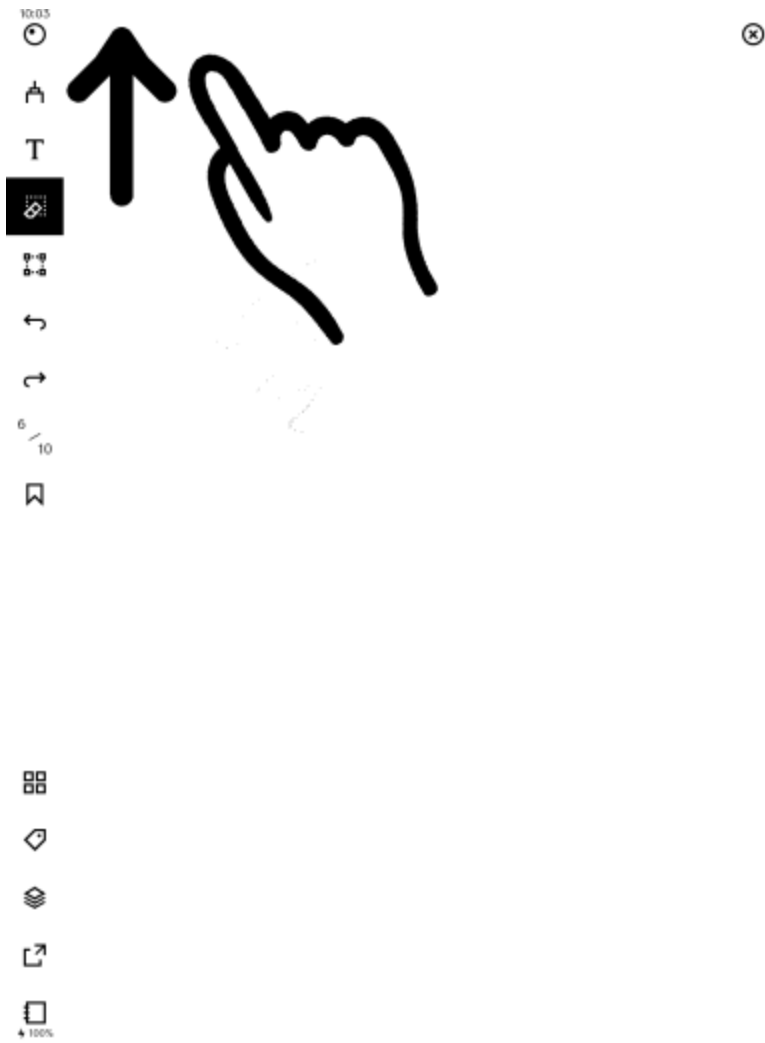Figure 45: Swipe one finger down in corner closest toolbar

Figure 46: Swipe one finger up in corner closest toolbar

- Swipe one finger down in the top right corner (right-handed)/left corner (left-handed) to swap the last two pen thicknesses (strokes).
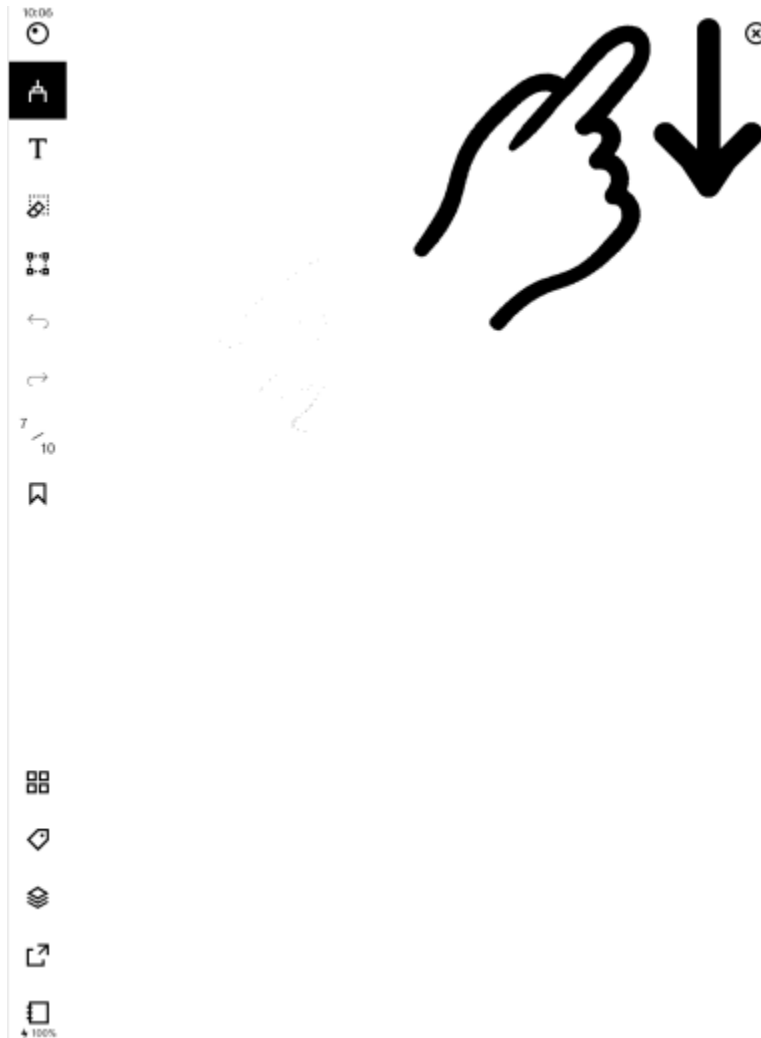
Figure 47: Swipe one finger down in corner opposite toolbar

- Swipe one finger up in the top right corner (right-handed)/left corner (left-handed) to swap the last two colors.
- Five-finger tap triggers screen refresh

Sleep mode

- Enable sleep mode by swiping up from the top of the screen (light or deep sleep selectable in Settings/Security).
- Display `...zzZ` in the top right corner during light sleep mode instead of a big black banner.

Bookmarks

- Tap in the top corner opposite the toolbar to toggle a bookmark for the current page.
- Long press in the top corner opposite the toolbar to create a named bookmark or to change the name of an existing one.

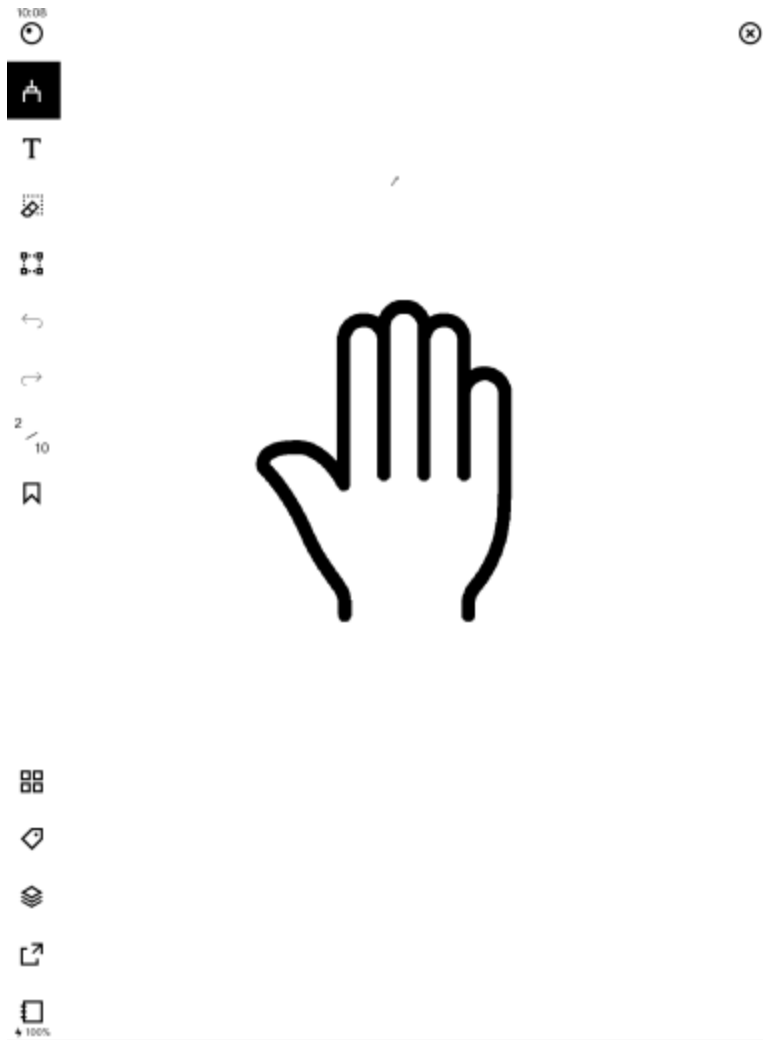Figure 48: Swipe one finger up in corner opposite toolbar
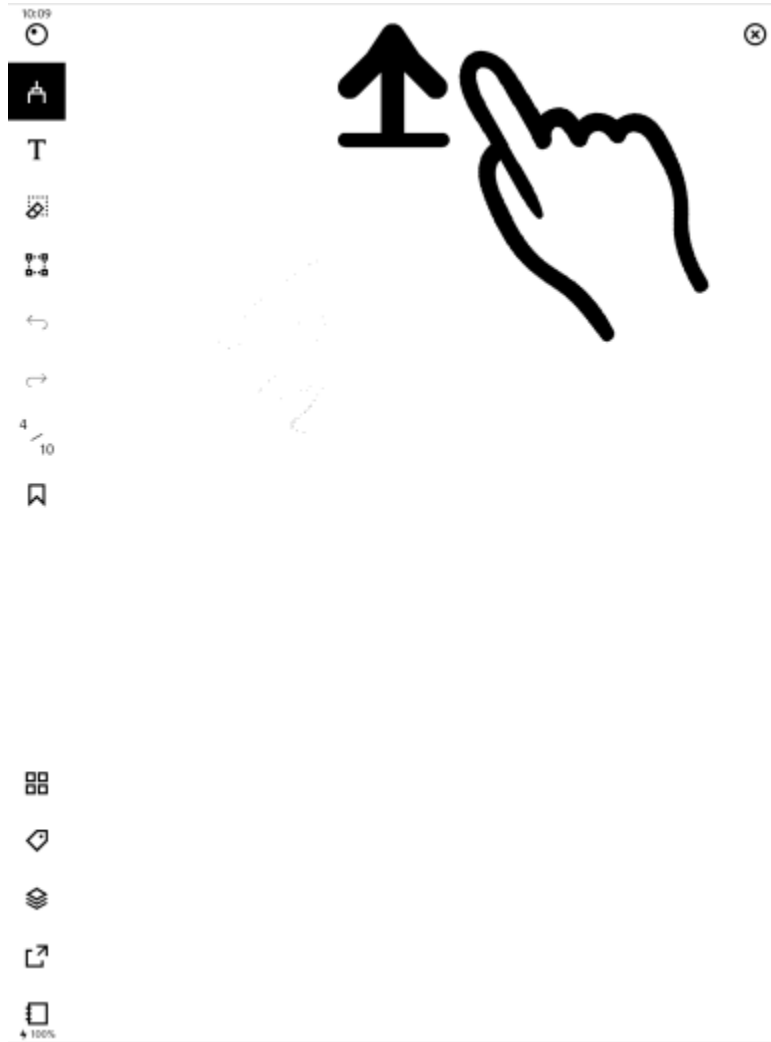
Figure 49: Five-finger tap for screen refresh

Figure 50: Swipe one finger up from top for sleep

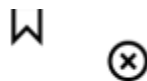

Figure 51: Display ...zzZ for light sleep

Figure 52: Tap corner opposite toolbar to toggle bookmark
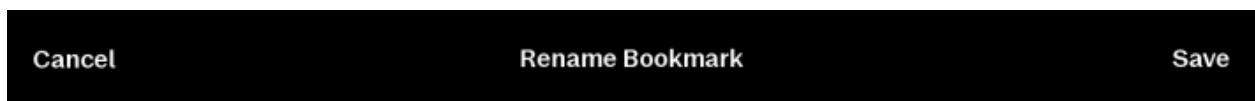

Figure 53: Long press in corner opposite toolbar for named bookmark

- New toolbar bookmarks button showing all bookmarks in the currently open document.
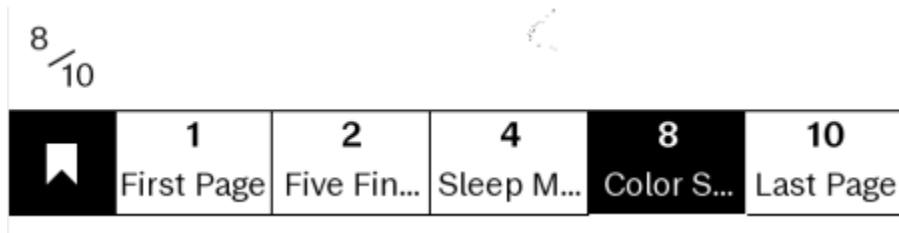
Figure 54: Bookmarks navigation grid

- Long press the bookmarks toolbar button to toggle a bookmark for the current page.

Figure 55: Bookmark icon toggled on for current page

- Long press the bookmark grid item from the bookmarks menu to rename the bookmark.

Figure 56: Long press bookmark grid to rename bookmark

rM Hacks Documentation Gestures

Open / close toolbar

Swipe one finger down in the body of the page to open or close the toolbar.

When the toolbar is closed the brush / tool icon will appear in the place of the default toolbar toggle icon.

Swap the last two tools

Swipe one finger down in the corner closest to the toolbar to switch between the last two tools.

For example, you could switch between two writing tools, like the Pencil and the Highlighter. Or between a writing tool and the selection tool.

Swap last tool with eraser

Swipe one finger up in the corner closest to the toolbar to switch between the writing tool and eraser.

Figure 57: Gesture to toggle toolbar

Figure 58: Gesture to swap last two tools

Figure 59: Gesture to swap tool with eraser

Swap the last two pen thicknesses (strokes)

Swipe one finger down in the top corner opposite the toolbar to swap the last two pen thicknesses (strokes).

For example, you might switch between Thin (1) and Thick (3).

Figure 60: Gesture to swap the last two pen strokes

Swap the last two colors

Swipe one finger up in the top corner opposite the toolbar to swap the last two colors.

For example, you might switch between Black and Gray, or between Yellow and Pink.

Figure 61: Gesture to swap the last two colors

Open previous document

Swipe two fingers up from the bottom of the page to open previously edited document.

Figure 62: Gesture to open previous document

Full screen refresh

Tap all five fingers to trigger a full screen refresh.

Sleep mode

Swipe one finger up from near the top of the page to trigger sleep mode.

Figure 63: Gesture to force screen refresh

Turn on light sleep mode from the Menu Settings Security page. If light sleep is not turned on, this gesture will put the device into normal sleep mode.
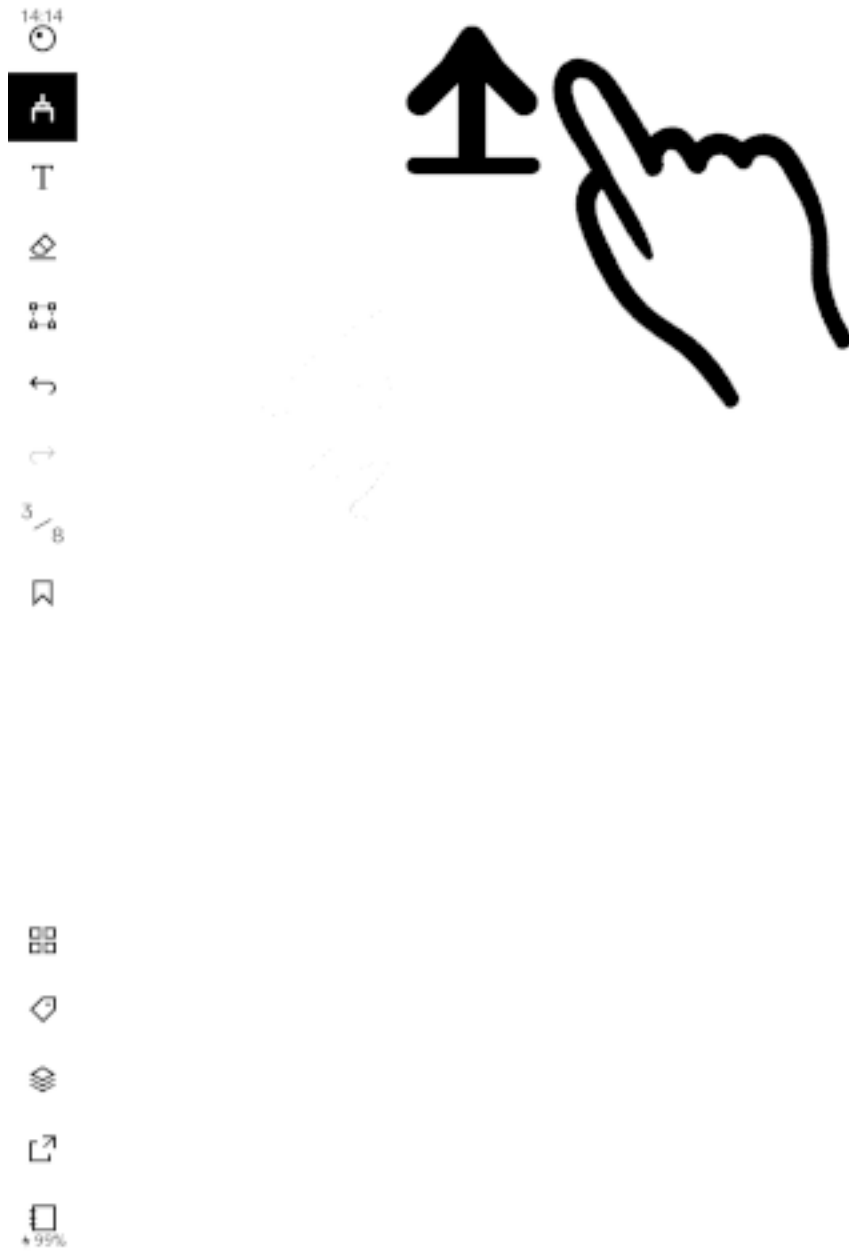
Figure 64: Gesture to put the device into sleep mode

rM Hacks Documentation Strokes

Writing tools

By default, there are three stroke sizes (line thicknesses) for all the writing tools except highlighter and for the eraser tool. The sizes are Thin, Medium, and Thick.

rM Hacks adds additional stroke sizes, five additional for the writing tools and three additional for the eraser.

For all the writing tools except highlighter, the sizes are

- Thinner (0.5)
- Thin (1)
- Medium Thin (1.5)
- Medium (2)
- Thick (3)
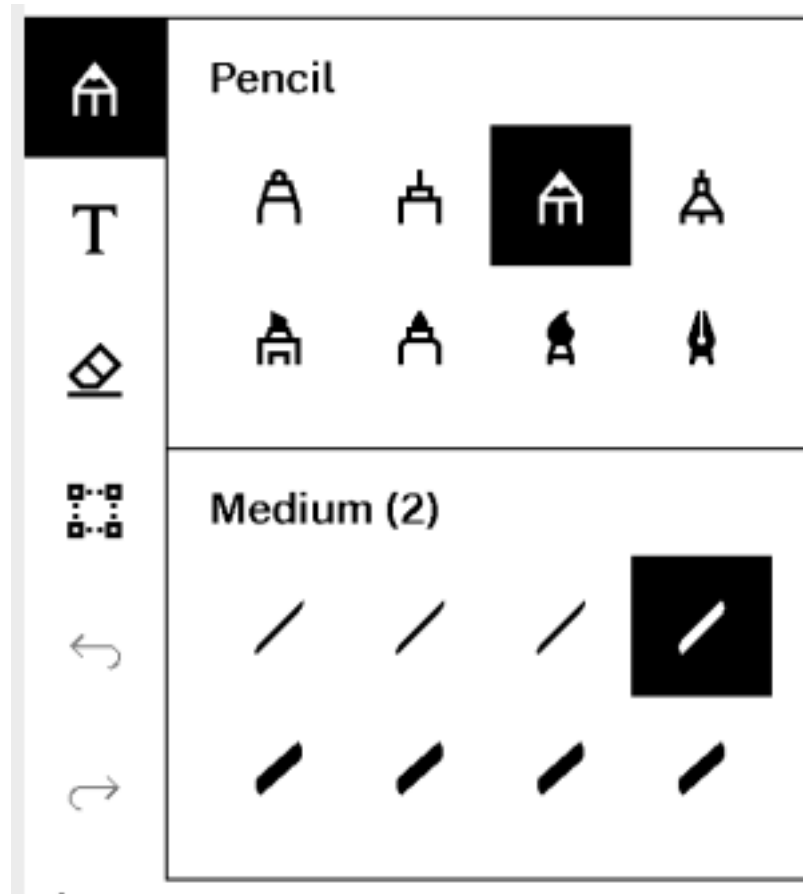- Thicker (5)
- Even Thicker (8)
- Thickest (13)

Figure 65: More stroke sizes, writing tools

Eraser

For the eraser, the sizes are

- Thinner (0.5)
- Thin (1)
- Medium Thin (1.5)
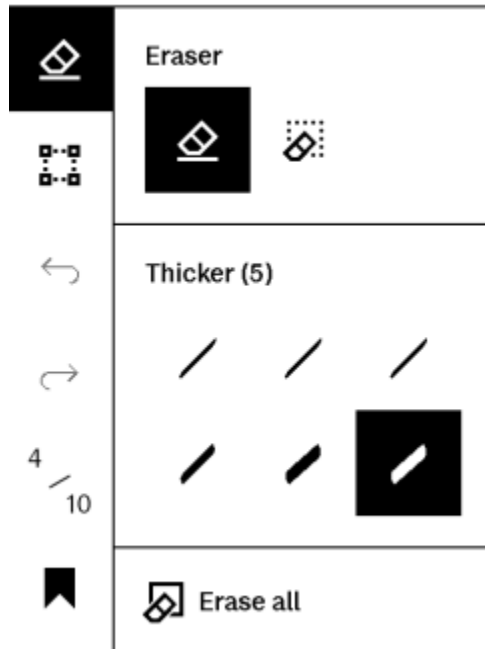- Medium (2)
- Thick (3)
- Thicker (5)

Figure 66: More stroke sizes, eraser

rM Hacks Documentation Bookmarks

Bookmarks Configuration

Bookmarks

Enable this setting to use bookmarks. A bookmarks icon will appear in the toolbar.

Tap this icon to display the bookmarks navigation grid.

Long press this icon to toggle a bookmark for the current page.

When the bookmarks navigation grid is visible, long press any bookmark entry to open the Rename Bookmark dialog to add, change or remove a bookmark's name.

Bookmarks corner tap

If this setting is enabled, then in addition to the bookmarks icon in the toolbar, an area in the top corner opposite the toolbar will become active.

Tapping this area will toggle a bookmark for the current page (similar to a long press of the bookmark icon in the toolbar).

If the current page has a bookmark, a bookmark icon will appear in this upper corner area.

Whether the icon appears or not, a long press in this area will open the Rename Bookmark dialog to give the (new or existing) bookmark a name.

That name will appear in the bookmarks navigation grid along with the page number.

First page bookmark

If this setting is enabled, a First Page entry will appear in the bookmarks navigation grid.

Bookmarks

Enables bookmarks feature for documents.

Bookmarks corner tap

Bookmark the current page by tapping in the corner opposite to the toolbar.

First page bookmark

Adds 'First Page' to the bookmarks grid.

Last page bookmark

Adds 'Last Page' to the bookmarks grid.

Figure 67: Bookmarks Configuration

Figure 68: Bookmarks button in toolbar

Figure 69: Bookmarks navigation grid

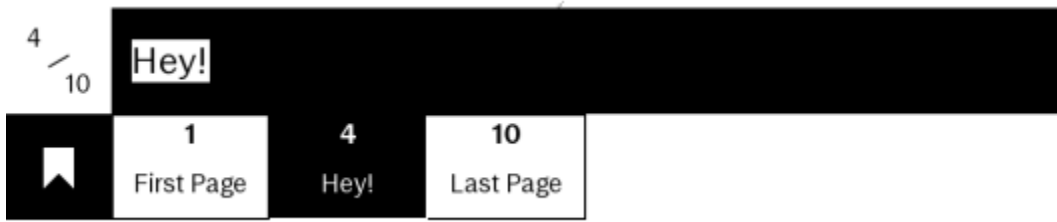Figure 70: Bookmark icon toggled on for current page

Figure 71: Long press bookmark grid to rename bookmark

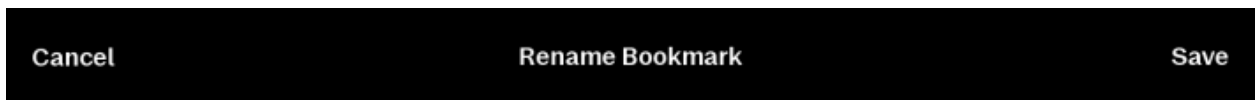Figure 72: Tap corner opposite toolbar to toggle bookmark

Figure 73: Long press in corner opposite toolbar for named bookmark

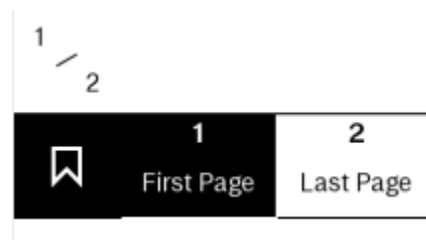Figure 74: Bookmark name appears in navigation grid

Figure 75: First Page entry in bookmarks navigation grid

If the first page has a bookmark, that bookmark will show instead.

Figure 76: Bookmark name appears in navigation grid

The First Page entry will not appear if the document has only one page.

Last page bookmark

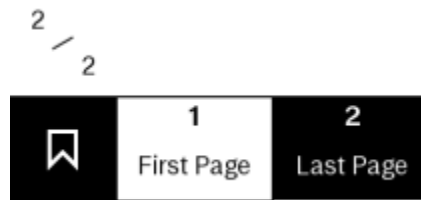If this setting is enabled, a Last Page entry will appear in the bookmarks navigation grid.

Figure 77: Last Page entry in bookmarks navigation grid

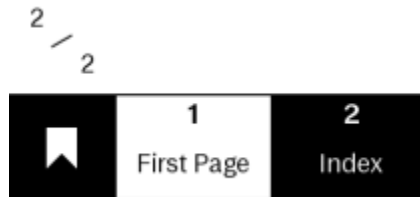If the last page has a bookmark, that bookmark will show instead.

Figure 78: Bookmark name appears in navigation grid

The Last Page entry will not appear if the document has only one page.

rM Hacks Documentation Document-Level Settings

When you enable Document-level toggle buttons, more entries appear in the Export / Share menu.

This allows you to toggle these settings without leaving the document.

- WiFi Connection
- All Gestures
- rM1 Buttons (rM1 only)
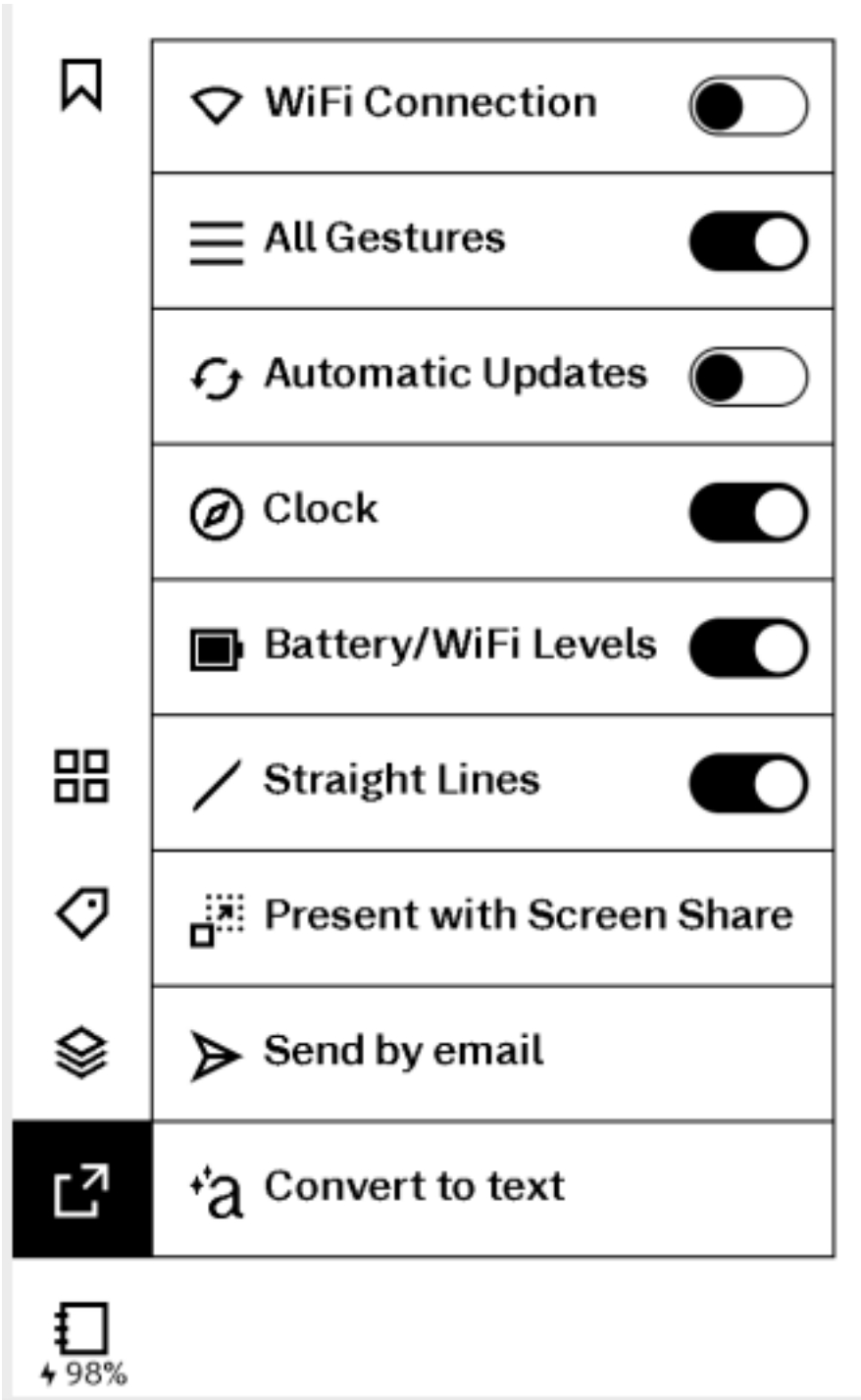- Automatic Updates
- Clock
- Battery/WiFi Levels
- Straight Lines

Figure 79: Document level toggle buttons